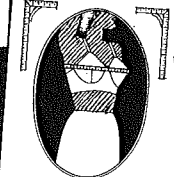


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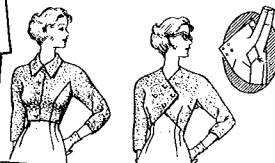


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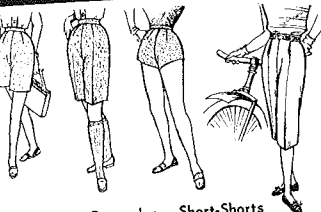
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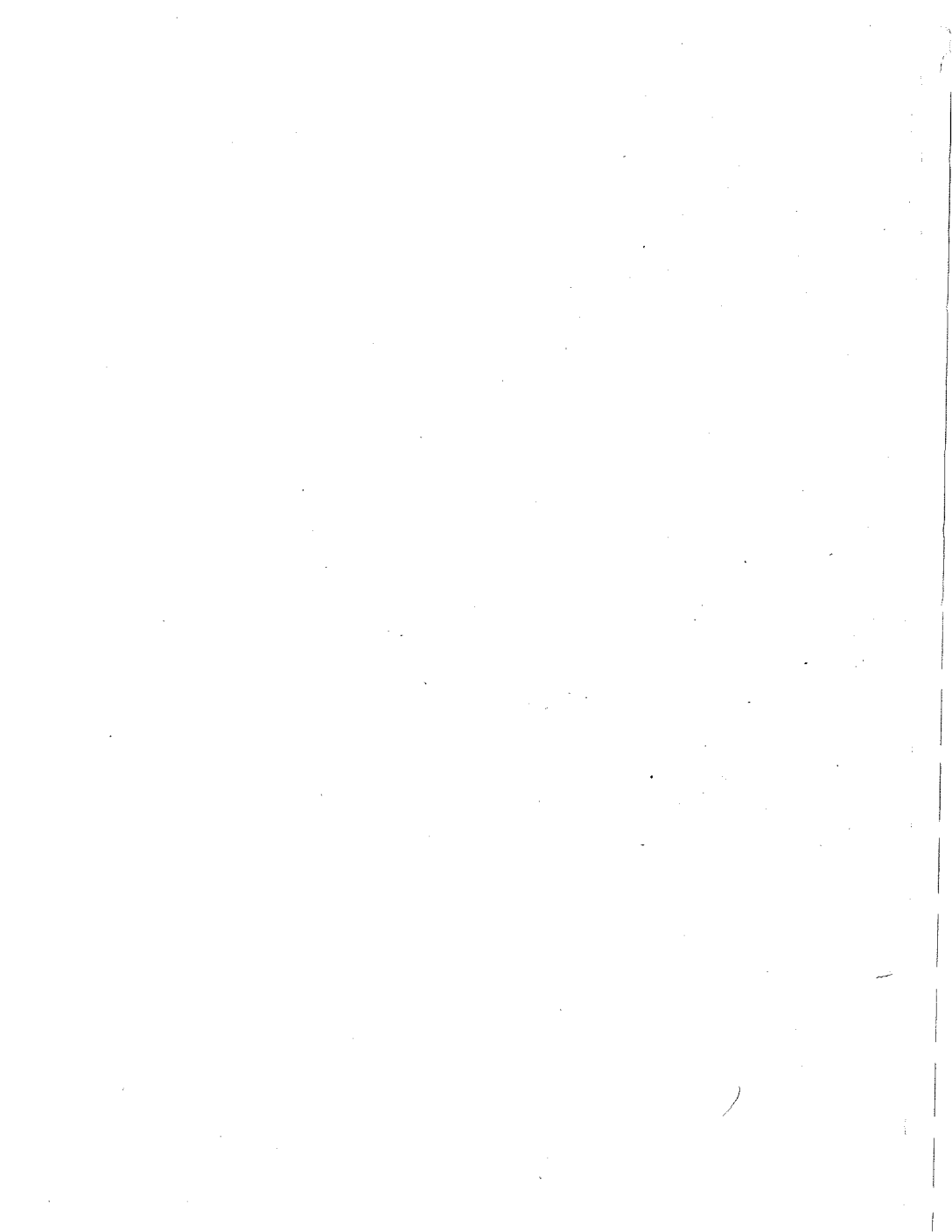
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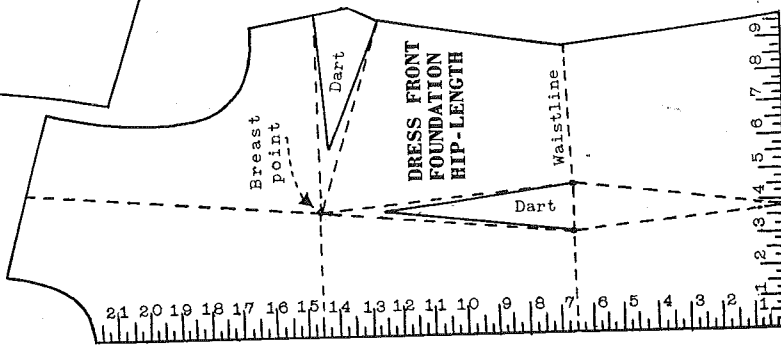
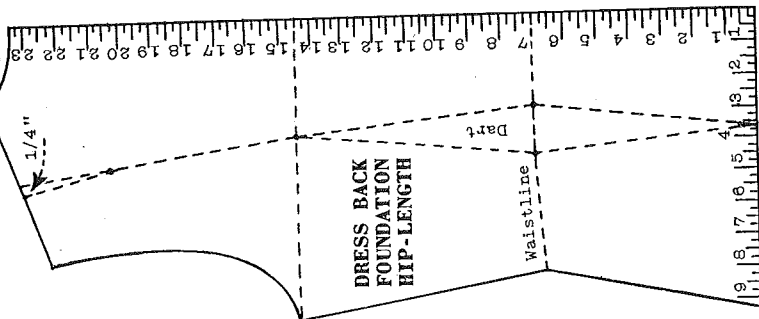
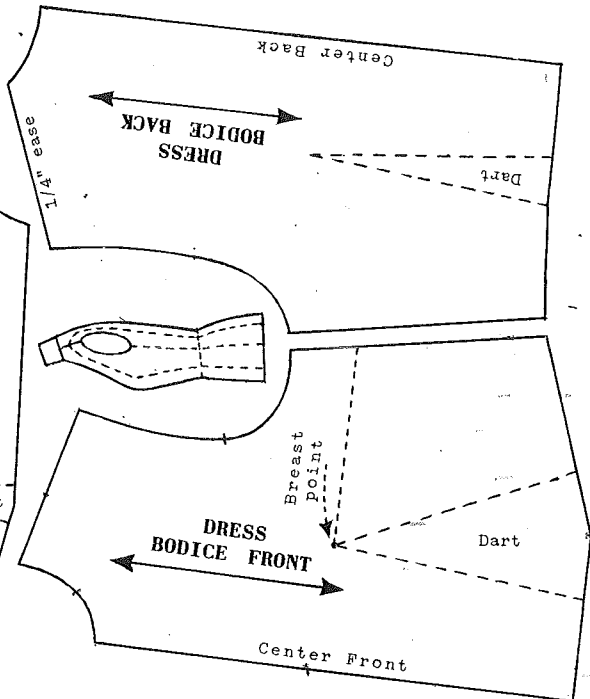
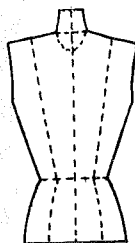
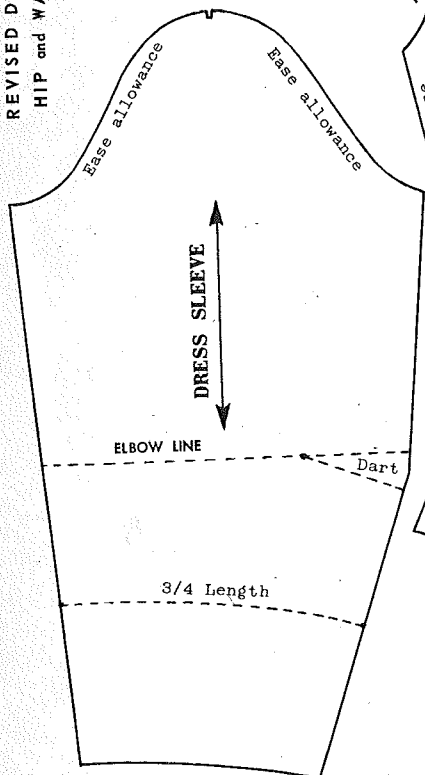
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# REVISED DRESS FOUNDATIONS - SIZE 14 HIP and WAIST LENGTH - 1/4 in. SCALE

Made according to the REVISED MEASUREMENTS of the Junior's, Misses and Women's sizes as shown on pages 2 and 3 in the Supplementary Section - Part 1.

NO SEAMS ALLOWED

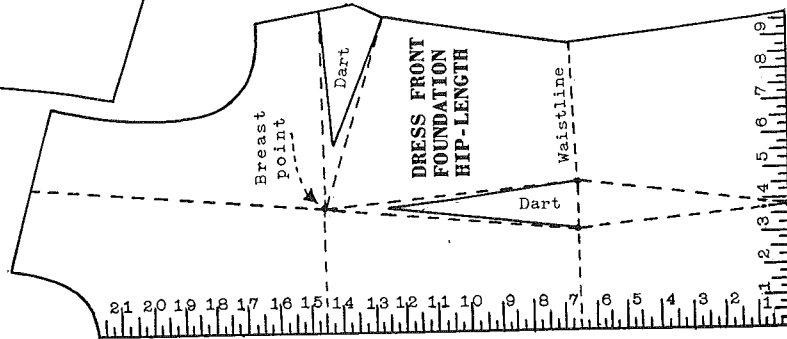
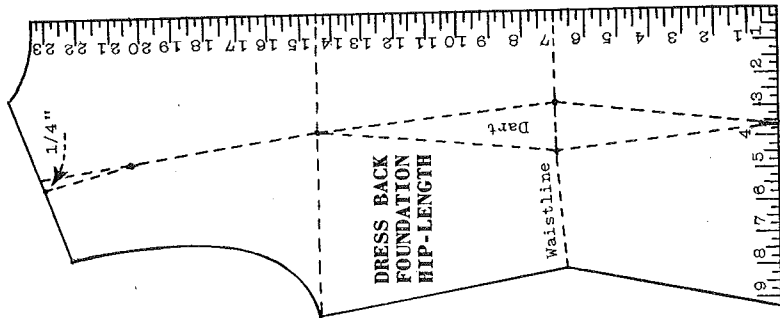
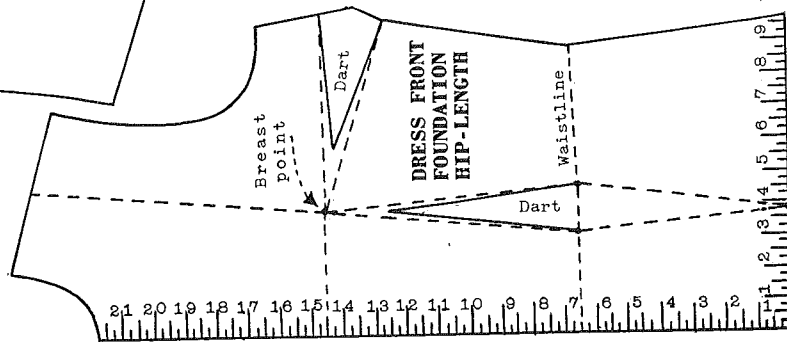
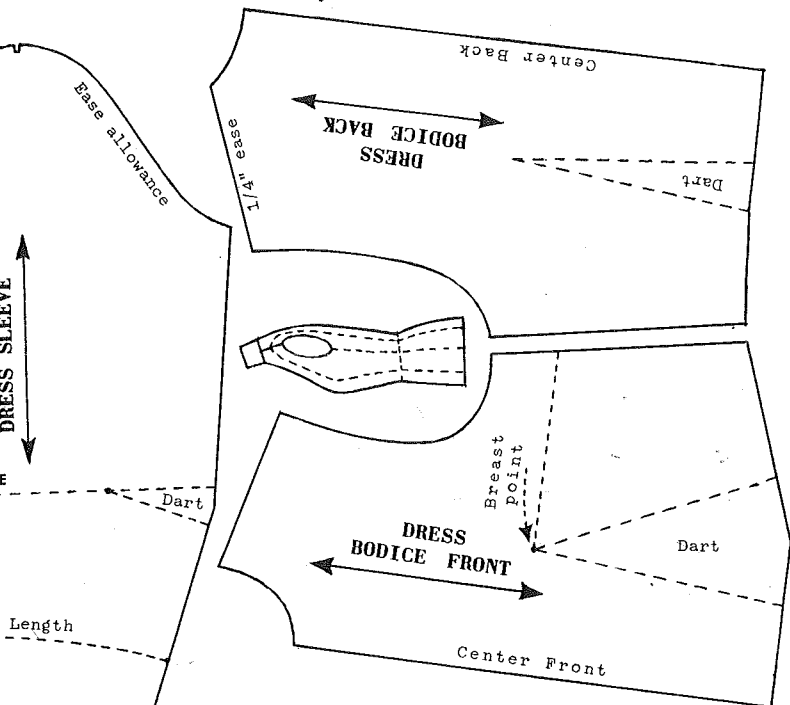
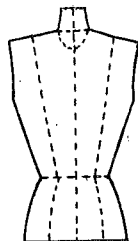
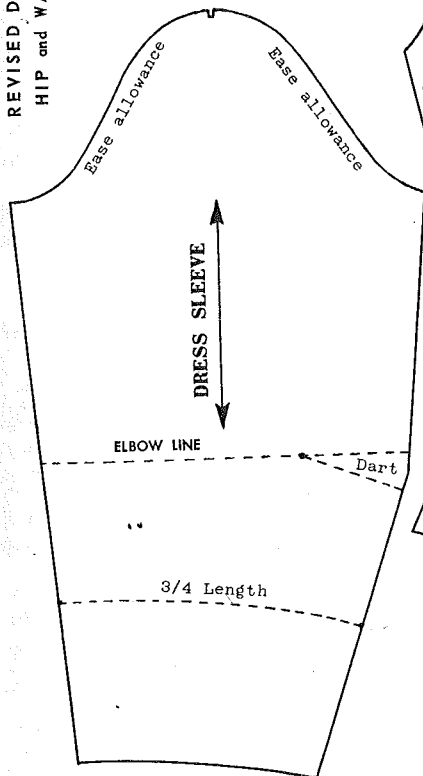




# REVISED DRESS FOUNDATIONS - SIZE 14 HIP and WAIST LENGTH - 1/4 in. SCALE

Made according to the REVISED MEASUREMENTS of the Junior's, Misses and Women's sizes as shown on pages 2 and 3 in the Supplementary Section - Part I.

NO SEAMS ALLOWED





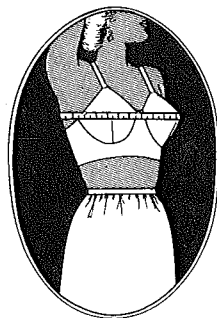


Fig. A

THE "BODY" MEASUREMENTS, listed below, have been compiled in accordance with those used in the ready-to-wear trade.

THE "UPLIFT BRA" brought about a slight increase in the bust circumference measurement (approximately 2") for all sizes (Fig. A).

THE WIDTH ACROSS BACK has about 3/4" to 1" ease allowance for free arm movement (Fig. B). The shoulders are correspondingly broader, and require pads.

THE PREVAILING GIRDLES have lowered the back waistline slightly, therefore the back waist length measurements have been increased accordingly.

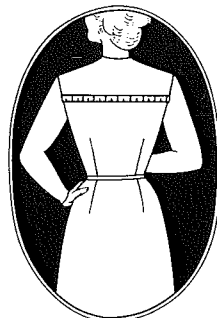


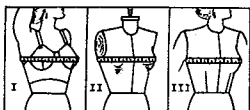
Fig. B

# BODY MEASUREMENT CHART

SIZES	JUNIOR SIZES				MISSES' SIZES					WOMEN'S SIZES			
	11	13	15	17	12	14	16	18	20	40	42	44	46
1 BUST CIRCUMFERENCE	31	33	35	37	32	34	36	38	40	42	44	46	48
2 WAIST CIRCUMFERENCE	23	25	27	29	24	26	28	30	32	34	36	38	40
3 HIP CIRCUMFERENCE	33	35	37	39	34	36	38	40	42	44	46	48	50
4 BACK SHOULDER HEIGHT	15-3/4	16	16-1/4	16-1/2	16-3/4	17	17-1/4	17-1/2	17-3/4	17-7/8	18	18-1/8	18-1/4
5 CENTER BACK LENGTH	15	15-1/4	15-1/2	15-3/4	16	16-1/4	16-1/2	16-3/4	17	17-1/8	17-1/4	17-3/8	17-1/2
6 SHOULDER SEAM	4-7/8	5	5-1/8	5-1/4	5	5-1/8	5-1/4	5-3/8	5-1/2	5-5/8	5-3/4	5-7/8	6
7 ACROSS BACK	13-1/2	14	14-1/2	15	14	14-1/2	15	15-1/2	16	16-1/2	17	17-1/2	18
8 SIDE SEAM LENGTH	7-1/8	7-1/4	7-3/8	7-1/2	7-3/4	7-7/8	8	8-1/8	8-1/4	8-1/4	8-1/4	8-1/4	8-1/4
9 FRONT SHOULDER HEIGHT	16	16-1/4	16-1/2	16-7/8	17-3/8	17-3/4	18	18-1/4	18-5/8	18-7/8	19-1/4	19-5/8	20
10 CENTER FRONT LENGTH	13-1/2	13-3/4	14	14-1/4	14-3/4	15	15-1/4	15-1/2	15-3/4	16	16-1/4	16-1/2	16-3/4
11 ACROSS CHEST	12-1/2	13	13-1/2	14	13	13-1/2	14	14-1/2	15	15-1/2	16	16-1/2	17
12 OVERARM LENGTH	22-1/4	22-5/8	23	23-3/8	23	23-3/8	23-3/4	24-1/8	24-1/2	24-5/8	24-3/4	24-7/8	25
13 UNDERARM LENGTH	16-3/4	17	17-1/4	17-1/2	17-1/4	17-1/2	17-3/4	18	18-1/4	18-1/4	18-1/4	18-1/4	18-1/4
14 ARM CIRCUMFERENCE	9-3/4	10-1/4	10-3/4	11-1/4	10	10-1/2	11	11-1/2	12	12-5/8	13-1/4	13-7/8	14-1/2
15 ELBOW CIRCUMFERENCE	9-1/4	9-3/4	10-1/4	10-3/4	9-1/2	10	10-1/2	11	11-1/2	12-1/8	12-3/4	13-3/8	14
16 WRIST CIRCUMFERENCE	6-1/8	6-3/8	6-5/8	6-7/8	6-1/4	6-1/2	6-3/4	7	7-1/4	7-1/2	7-3/4	8	8-1/4

# HOW TO TAKE MEASUREMENTS

1  AROUND THE FULLEST PART OF THE BUST	2  A FAIRLY SNUG MEASUREMENT	3  ABOUT 7" BELOW THE WAISTLINE	4  FROM SHOULDER AT NECKLINE TO WAISTLINE	5  FROM NAPE OF NECK TO WAISTLINE	6  FROM NECKLINE TO ARMHOLE	7  FROM ARMHOLE TO ARMHOLE	8  FROM ARMHOLE TO WAISTLINE
9  FROM SHOULDER AT THE NECK TO WAISTLINE	10  FROM BASE OF NECK TO WAISTLINE	11  FROM ARMHOLE TO ARMHOLE	12  FROM TOP OF SLEEVE CAP TO WRIST	13  FROM BOTTOM OF ARMHOLE TO WRIST	14  AROUND BICEP AT FULLEST PART OF ARM	15  AROUND ELBOW WITH ARM BENT UP	16  FAIRLY LOOSE MEASUREMENT

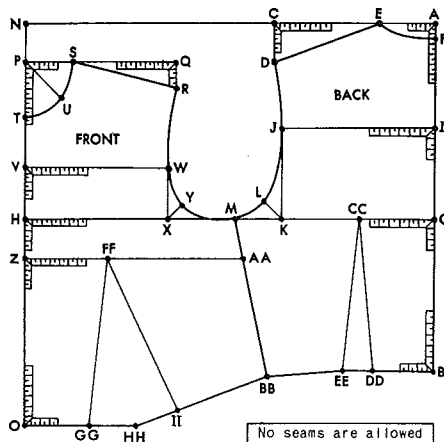


The illustrations above show bust measurement taken around  
body over bra (fig. I)  
dress form (fig. II)  
dress or blouse (fig. III)

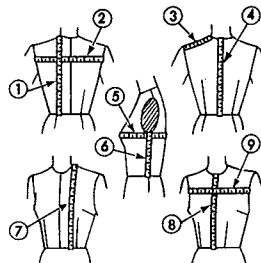
All 3 figures represent size 16, yet it is important to note that for chest expansion allowance, the dress form (figure II) measures 2" more around bust than on figure I, and that the dress or blouse (figure III) measures about 4" more than figure I, for ease and free arm movement. Therefore, the bust measure on size 16 is -

36" on figure I,  
38" on figure II,  
40" on figure III.

The draft to the right provides 4" ease allowance around bust and 1" ease around waistline.



No seams are allowed



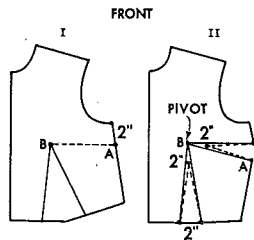
Sketches above show where each measure is taken on the figure.

- 1 - Back Shoulder Height
- 2 - Across Back
- 3 - Shoulder Seam
- 4 - Center Back Length
- 5 - Bust Line
- 6 - Side Seam Length
- 7 - Front Shoulder Height
- 8 - Center Front Length
- 9 - Across Chest

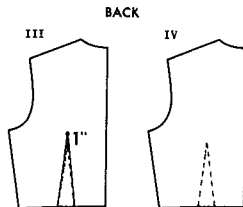
### HOW TO DRAFT THE DRESS BODICE

	JUNIOR SIZES					MISSES' SIZES				
	11	13	15	17		12	14	16	18	20
A to B - Equals BACK SHOULDER HEIGHT measurement.	15-3/4	16	16-1/4	16-1/2		16-3/4	17	17-1/4	17-1/2	17-3/4
A to C - Equals 1/2 of ACROSS BACK measure, plus 3/8".	7-1/8	7-3/8	7-5/8	7-7/8		7-3/8	7-5/8	7-7/8	8-1/8	8-3/8
C to D - Back shoulder slope depth. Square at C.	2	2	2	2		2	2	2	2	2
D to E - Equals SHOULDER SEAM (1/4" ease included).	5-1/8	5-1/4	5-3/8	5-1/2		5-1/4	5-3/8	5-1/2	5-5/8	5-3/4
B to F - Equals CENTER BACK LENGTH measurement.	15	15-1/4	15-1/2	15-3/4		16	16-1/4	16-1/2	16-3/4	17
E to F - Curve a line for back of neck.										
F to G - Equals half of B to F plus 3/4".	8-1/4	8-3/8	8-1/2	8-5/8		8-3/4	8-7/8	9	9-1/8	9-1/4
G to H - Equals half of bust measurement plus 2".	17-1/2	18-1/2	19-1/2	20-1/2		18	19	20	21	22
F to I - Equals about half of F to G.	4-1/8	4-1/8	4-1/4	4-1/4		4-3/8	4-3/8	4-1/2	4-1/2	4-5/8
I to J - Equals half of ACROSS BACK measurement.	6-3/4	7	7-1/4	7-1/2		7	7-1/4	7-1/2	7-3/4	8
G to M - Equals half of G to H less 1/4".	8-1/2	9	9-1/2	10		8-3/4	9-1/4	9-3/4	10-1/4	10-3/4
G to K - Equals line I to J. Then connect J to K.	6-3/4	7	7-1/4	7-1/2		7	7-1/4	7-1/2	7-3/4	8
K to L - Draw diagonal line at 45° angle.	1	1-1/8	1-1/8	1-1/4		1-1/8	1-1/8	1-1/4	1-1/4	1-3/8
D to M - Curve armhole line from D to J to L to M.										
A to N - Equals bust line G to H.	17-1/2	18-1/2	19-1/2	20-1/2		18	19	20	21	22
N to O - Equals FRONT SHOULDER HEIGHT plus 2".	18	18-1/4	18-1/2	18-7/8		19-3/8	19-3/4	20	20-1/4	20-5/8
O to P - Equals FRONT SHOULDER HEIGHT measurement.	16	16-1/4	16-1/2	16-7/8		17-3/8	17-3/4	18	18-1/4	18-5/8
P to Q - Equals 1/2 of ACROSS CHEST measure, plus 3/8".	6-5/8	6-7/8	7-1/8	7-3/8		6-7/8	7-1/8	7-3/8	7-5/8	7-7/8
Q to R - Front shoulder slope depth. Square at Q.	1-1/4	1-1/4	1-1/4	1-1/4		1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
R to S - Equals SHOULDER SEAM measurement.	4-7/8	5	5-1/8	5-1/4		5	5-1/8	5-1/4	5-3/8	5-1/2
Q to T - Equals CENTER FRONT LENGTH measurement.	13-1/2	13-3/4	14	14-1/4		14-3/4	15	15-1/4	15-1/2	15-3/4
P to U - Equals P to S plus 1/2". Draw line 45° angle.	2-1/4	2-3/8	2-3/8	2-1/2		2-3/8	2-3/8	2-1/2	2-1/2	2-5/8
S to T - Curve neck line from S to U to T.										
T to V - Equals about half of T to H.	2-1/4	2-3/8	2-3/8	2-1/2		2-3/8	2-3/8	2-1/2	2-1/2	2-5/8
V to W - Equals half of ACROSS CHEST measurement.	6-1/4	6-1/2	6-3/4	7		6-1/2	6-3/4	7	7-1/4	7-1/2
H to X - Equals line V to W. Then connect W to X.	6-1/4	6-1/2	6-3/4	7		6-1/2	6-3/4	7	7-1/4	7-1/2
X to Y - Draw diagonal line at 45° angle.	3/4	7/8	7/8	1		7/8	7/8	1	1	1-1/8
R to M - Curve armhole line from R to W to Y to M.										
H to Z - The distance between bust and breast line.	2	2	2	2		2	2	2	2	2
Z to AA - Equals H to M plus 3/8". Square at Z.	9-3/8	9-7/8	10-3/8	10-7/8		9-5/8	10-1/8	10-5/8	11-1/8	11-5/8
M to BB - Equals SIDE SEAM LENGTH (through point AA).	7-1/8	7-1/4	7-3/8	7-1/2		7-3/4	7-7/8	8	8-1/8	8-1/4
G to CC - Equals half of I to J.	3-3/8	3-1/2	3-5/8	3-3/4		3-1/2	3-5/8	3-3/4	3-7/8	4
B to DD - Equals G to CC less 3/4".	2-5/8	2-3/4	2-7/8	3		2-3/4	2-7/8	3	3-1/8	3-1/4
DD to EE - 1-1/2"; then connect DD to CC to EE for dart.	1-1/2	1-1/2	1-1/2	1-1/2		1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
Z to FF - Equals half of V to W plus 1/2".	3-5/8	3-3/4	3-7/8	4		3-3/4	3-7/8	4	4-1/8	4-1/4
O to GG - Equals Z to FF less 3/4".	2-7/8	3	3-1/8	3-1/4		3	3-1/8	3-1/4	3-3/8	3-1/2
GG to HH - 2-1/8"; then connect from HH to BB to EE.	2-1/8	2-1/8	2-1/8	2-1/8		2-1/8	2-1/8	2-1/8	2-1/8	2-1/8
HH to II - 2-1/8"; then connect GG to FF to II for dart.	2-1/8	2-1/8	2-1/8	2-1/8		2-1/8	2-1/8	2-1/8	2-1/8	2-1/8





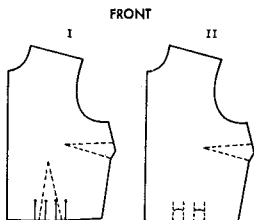
**STYLE 1**  
Side and waist darts for smoother fit over the bust.  
Using the dress bodice front, make a side dart in pattern as follows:



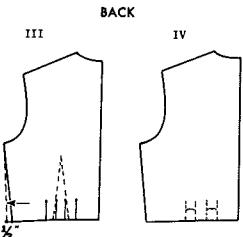
**I and II**  
Slash along dotted line (A to B); then spread and make the waist dart 2" wide at waistline as shown in diagram II.

Draw V-shaped lines for each dart (2" away from pivoting point B) as shown by dotted lines.

**III and IV**  
Using the dress bodice back, shorten waist dart 1".

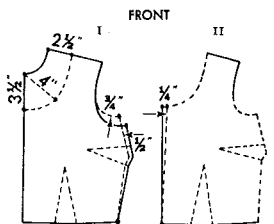


**STYLE 2**  
The tucks at waistline give the bodice a softer effect below the bust than with dart fitting.

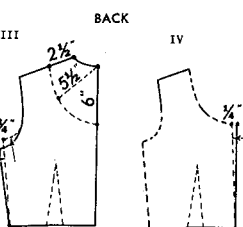


**I and II**  
Trace bodice front of Style 1; then replace the waist dart by making 2 tucks, 2" high, and drawing the 4 lines 1" apart, parallel to center front.

**III and IV**  
Repeat process for making the 2 tucks in back; then add 1/2" to side seam at waistline as shown by dotted lines.



**STYLE 3**  
Sleeveless dress bodice with scooped neckline.



A sleeveless dress is usually closer fitting (about 2") around bust.

The depth of the armhole is raised about 3/4".

**I (Front) and III (Back)**  
Lower the neckline, raise the armhole, and reduce the width at top of side seam as shown by dotted lines.

**II (Front) and IV (Back)**  
Reduce 1/4" at center front and back neckline to nothing at waistline. This will keep bodice from standing away at lower part of neck.

FRONT



# DRESS FOUNDATION - HIP LENGTH

**I - FRONT**

Using the dress bodice front, make side and waist darts as shown in style 1 above, but when spreading for side dart, make waist dart 1 1/2" wide instead of 2".

Draft the hip length sections as follows:

A to B - 6-1/2" (waist to hipline).  
B to C - Equals bustline D to E. Square at B.  
C to F - Connect.

**II - WAIST DART**

B to G - Equals H to I; then connect from J to G to K to complete the waist dart.

Lower the hipline 1/4" at center front to nothing at side seam.

**III - BACK**

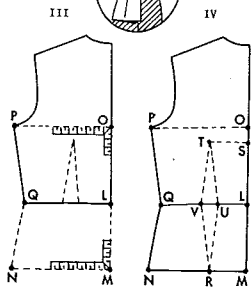
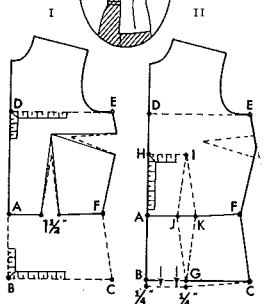
Use the dress bodice back to draft the hip section as follows:

L to M - 7" (waist to hipline).  
M to N - Equals bustline O to P. Square at M.  
N to Q - Connect.

**IV - WAIST DART**

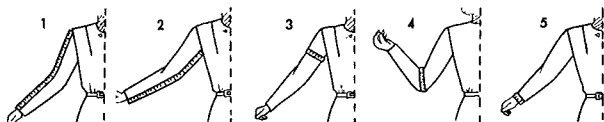
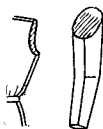
M to R - Equals S to T at top of dart; then connect from U to R to V to complete the waist dart.

BACK



# JUNIOR'S, MISSES' AND WOMEN'S

(Revised Edition)

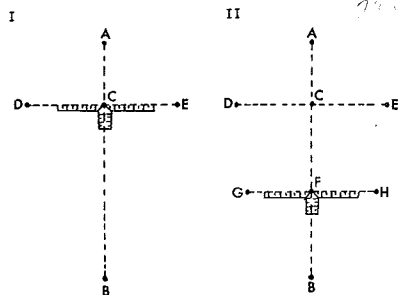


The illustrations to the left show how to take the necessary arm measurements for drafting the dress sleeve pattern.

	SIZE	JUNIOR SIZES				MISSES' SIZES					
		11	13	15	17	12	14	16	18	20	
1	OVERARM LENGTH	22-1/4	22-5/8	23	23-3/8	23	23-3/8	23-3/4	24-1/8	24-1/2	
2	UNDERARM LENGTH	16-3/4	17	17-1/4	17-1/2	17-1/4	17-1/2	17-3/4	18	18-1/4	
3	ARM CIRCUMFERENCE	12-3/4	13-1/4	13-3/4	14-1/4	13	13-1/2	14	14-1/2	15	
4	ELBOW CIRCUMFERENCE	10-3/4	11-1/4	11-3/4	12-1/4	11	11-1/2	12	12-1/2	13	
5	WRIST CIRCUMFERENCE	7-1/8	7-3/8	7-5/8	7-7/8	7-1/4	7-1/2	7-3/4	8	8-1/4	

For sleeve pattern measurements in junior and misses sizes, see chart to the left. No seams are allowed.

The measurements include about 3" ease allowance around arm (at muscle), and the necessary ease around elbow and wrist.



## HOW TO DRAFT THE DRESS SLEEVE

A to B - Equals OVERARM LENGTH measurement. Draw straight line from A to B.

B to C - Equals UNDERARM LENGTH measurement. Mark point C on line A-B (A to C equals cap height or 1/3 of armhole circumference. For example: If armhole of bodice measures 19-1/2", cap height is 6-1/2").

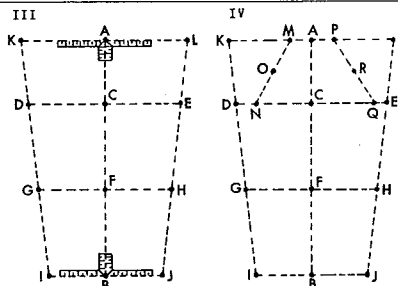
C to D - Equals half of arm circumference measurement. Square this line across at point C.

C to E - Same amount as C to D. Square across at C.

B to F - Equals half of B to C. Mark point F on line A-B for elbow line position.

F to G - Equals half of elbow measurement. Square this line across at point F.

F to H - Same amount as F to G. Square across at F.



B to I - Equals F to G, less 1". Square across at point B.

B to J - Same amount as B to I. Square across at point B.

I to K - Draw line from I to K through G and D, bringing point K to the level of point A.

J to L - Draw line from J to L through H and E, bringing point L to the level of point A. Connect K to L.

## IV. (Guide lines for sleeve cap)

A to M - Equals 1/4 of A to K.

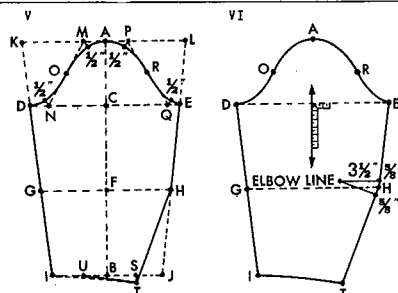
D to N - Equals 1/4 of D to C. Connect M to N.

M to O - Equals 1/2 of M to N. Mark point O on line M-N.

A to P - Equals 1/4 of A to L.

E to Q - Equals 1/6 of E to C. Connect P to Q.

P to R - Equals 1/2 of P to Q. Mark point R on line P-Q.



A to D - Draw curved cap line from A to D through Q for front of sleeve cap as indicated.

A to E - Draw curved line from A to E through R for back of sleeve cap.

I to S - Equals wrist measure. Mark point S on line I-J.

S to T - 3/4". Square a line down at point S.

I to U - Equals half of I to B.

U to T - Connect; then draw curved line from T to I.

T to H - Connect.

## VI. (V-shaped elbow dart).

The back edge of sleeve, from E to H to T, is 1-1/4" longer than front edge, from D to G to I. Make V-shaped dart 1-1/4" wide and 3-1/2" long at elbow as indicated, making upper line of dart, parallel to elbow line.

# SUB-TEENS AND TEENS (Revised Edition)

Page 5



The body measurements listed below, have been revised and compiled in accordance with those used in the ready-to-wear trade.

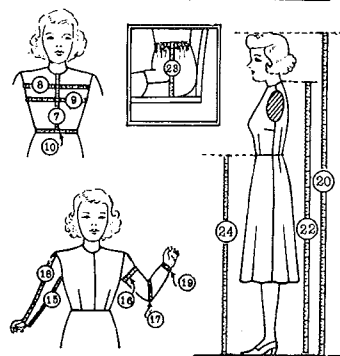
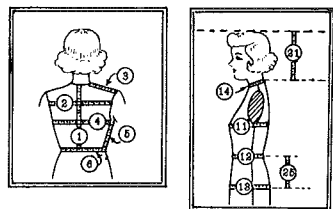


SUB-TEENS		SIZES			
		8	10	12	14
1	CENTER BACK LENGTH	13	13-1/4	13-5/8	14
2	ACROSS BACK	12	12-1/2	13	13-1/2
3	SHOULDER SEAM	4-1/4	4-3/8	4-1/2	4-5/8
4	FULL BACK WIDTH	14-3/4	15-1/2	16-1/4	17
5	SIDE SEAM LENGTH	6-1/2	6-5/8	6-3/4	7
6	BACK WAISTLINE	11	11-1/2	12	12-1/2
7	CENTER FRONT LENGTH	11-7/8	12-1/4	12-5/8	13
8	ACROSS CHEST	11-1/4	11-3/4	12-1/4	12-3/4
9	FULL FRONT WIDTH	15-1/4	16	16-3/4	17-1/2
10	FRONT WAISTLINE	12	12-1/2	13	13-1/2
11	BUST CIRCUMFERENCE	27-1/2	29	30-1/2	32
11	BUST CIRCUMFERENCE	30	31-1/2	33	34-1/2
12	WAIST CIRCUMFERENCE	23	24	25	26
13	HIP CIRCUMFERENCE	29	31	33	35
14	NECK CIRCUMFERENCE	11-1/2	12	12-1/2	13-1/8
15	UNDERARM LENGTH	14-1/8	14-1/2	14-7/8	15-1/4
16	ARM CIRCUMFERENCE	9	9-1/2	10	10-1/2
17	ELBOW CIRCUMFERENCE	9	9-1/2	10	10-1/2
18	OVERARM LENGTH	19	19-1/2	20	20-1/2
19	WRIST CIRCUMFERENCE	6-1/4	6-1/2	6-5/8	6-7/8
20	STATURE (HEIGHT)	58-1/2	59-1/2	60-1/2	61-1/2
21	HEAD HEIGHT	8-7/8	9	9-1/8	9-1/4
22	CERVICAL HEIGHT	48-5/8	49-1/2	50-3/8	51-1/4
23	CROTCH DEPTH	11-1/8	11-1/4	11-5/8	
24	SIDE LENGTH	36-3/4	37-1/4	37-3/4	38-1/4
25	WAIST TO HIP	5-7/8	6	6-1/8	6-1/4

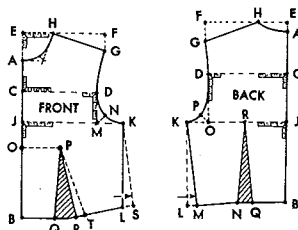


TEENS		SIZES			
		10	12	14	16
14-1/4	14-1/2	14-7/8	15-1/4	from nape of neck to waistline	
12-1/2	13	13-1/2	14	from armhole to armhole	
4-3/8	4-1/2	4-5/8	4-3/4	from side of neck to armhole	
15-1/2	16-1/4	17	18	from side seam to side seam	
7-1/8	7-1/4	7-3/8	7-5/8	from armhole to waistline	
11-1/2	12	12-1/2	13-1/2	from side seam to side seam	
13-1/8	13-1/2	13-7/8	14-1/4	from base of neck to waistline	
11-3/4	12-1/4	12-3/4	13-1/4	from armhole to armhole	
16	16-3/4	17-1/2	18-1/2	from side seam to side seam	
12-1/2	13	13-1/2	14-1/2	from side seam to side seam	
29	30-1/2	32	34	body measurement	
31-1/2	33	34-1/2	36-1/2	ease included for fitted bodice	
24	25	26	28	a fairly snug measurement	
31	33	35	37	at fullest part of hip	
12	12-1/2	13-1/8	13-3/4	at base of neck	
15-5/8	16	16-3/8	16-3/4	from armhole to wrist	
9-1/2	10	10-1/2	11	at fullest part of muscle	
9-1/2	10	10-1/2	11	with arm bent up	
21	21-1/2	22	22-1/2	from top of arm to wrist	
6-1/2	6-5/8	6-7/8	7	a loose measurement	
62-1/2	63-1/2	64-1/2	65-1/2	height measurement	
9-3/8	9-1/2	9-5/8	9-3/4	from nape of neck to top of head	
53-1/8	54	54-7/8	55-3/4	from nape of neck to floor	
11-7/8	12-1/8	12	12-1/2	1" ease allowance included	
38-7/8	39-1/2	40	40-1/2	from waist to floor	
6-3/8	6-1/2	6-5/8	6-3/4	at side seam	

Sketches below indicate where each measurement is taken on the figure.



## DRAFT OF FITTED BODICE FOUNDATION



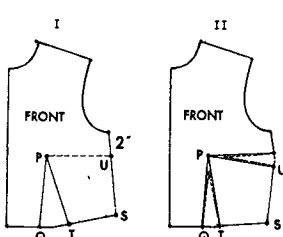
When drafting the fitted bodice Front and Back according to the measurements above, use the step-by-step directions given in the Drafting book, Page 8, but make the changes on the Front draft as follows:

B to J - Equals half of B to E, plus 1/2".  
J to O - Locate point O, 2" below point J.

Increase the width of Front and Dart at waistline as follows:

L to S - Same distance as L to M on Back draft.  
R to T - Same distance as L to S on Front draft.

## DRAFT OF FRONT WITH SIDE DART



Make the side dart as follows:

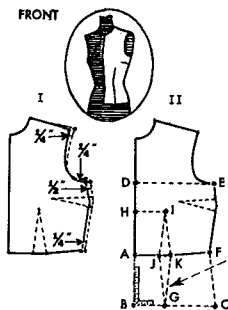
Draw side dart line from P to U; then slash from U to P and from T to P, and spread 1" at side seam by pivoting at point P, as shown in diagram II.

II  
Draw V-shaped lines for each dart, having the points of each dart, 1" away from the pivoting point P for size 8; 1-1/4" for 10 and 12; 1-1/2" for 14 and 16, as shown by dotted lines.



## LONG TORSO DRESS (Sub-Teens and Teens)

FRONT



## DRAFT OF DRESS FOUNDATION (Hip Length)

I and III

Using the fitted bodice Front and Back, add the extra ease allowance needed around bust and waistline for the dress or blouse; then broaden the shoulders, and deepen the armhole as shown by dotted lines. Shorten back waist dart 1".

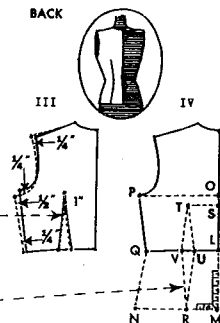
II - FRONT (Hip Length)

- A to B - Equals waist to hip measure, less 1/2" (see body measurement chart for Sub-Teen and Teen sizes).  
 B to C - Equals bustline D to E, plus 1/4". Square at B.  
 C to F - Connect.  
 B to G - Equals H to I; then connect from J to G to K, to complete the waist dart.

IV - BACK (Hip Length)

- L to M - Equals waist to hip measure (see measurement chart).  
 M to N - Equals bustline O to P, plus 1/4". Square at M.  
 N to Q - Connect.  
 M to R - Equals line S to T; then connect from U to R to V, to complete the waist dart.

BACK



I 1 1/2"

## DRAFT OF LONG TORSO DRESS

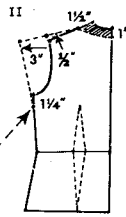
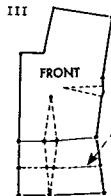
Featuring dropped shoulder and square neckline.  
 Skirt sweep equals at least 3 times the hip circumference of the bodice.

I and II - Neckline

Lower the neckline as shown by dotted lines, making the square neck in front, 2-1/2" wide for size 12, with 1/8" grade for each size.

Dropped Shoulder - Raise shoulder 1/2" at armhole, and drop armhole, 1-1/4" at side seam in front and back; then draft the 3" dropped shoulder outline as shown by dotted lines.

Lower the hipline 1/4" at center front, to nothing at side seam.



III and IV - Long Torso

Lengthen bodice front and back by locating the seam line approximately half way between the hip and waistlines. For example: if waist to hip length is 6", draw the seam line 3" below waistline from center front to center back, as shown by dotted lines.

V and VI - Skirt

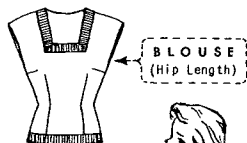
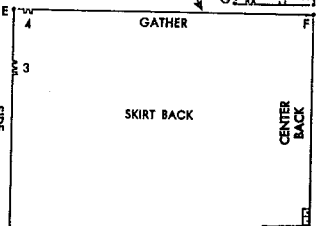
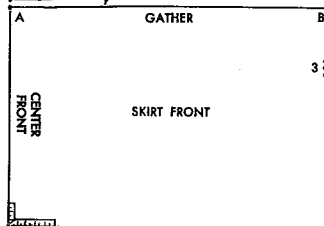
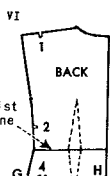
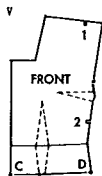
Draft skirt the required length as follows:

Make length from natural waistline to hem of skirt, twice the length of "Back Waist Length" measurement. For example: If length from back of neck to waistline is 14-1/2", the length from waistline to hem of skirt is 29".

Draft width of Skirt as follows:

- A to B - Equals at least 3 times the width of C to D for Skirt Front.  
 E to F - Equals at least 3 times the width of G to H for Skirt Back.

To complete the pattern, add seams and make corresponding notches.



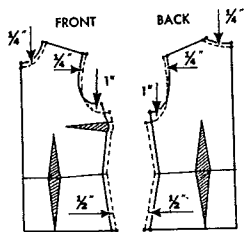
BLOUSE  
(Hip Length)



I

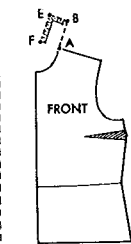
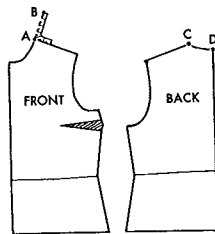
## II

## III



Using the dress foundation as a guide, draft the coat foundation as follows:

- Lower the neckline 1/4" -  
Broaden the shoulders 1/4" -  
Lower the armhole 1" -  
Add 1/2" to each side seam.



## II and III - Back of Collar

- A to B - Equals back of neck C to D.  
Square at point A.  
B to E - Width of Collar (1-1/2"). Square  
at point B.  
E to F - Equals B to A. Square at E.

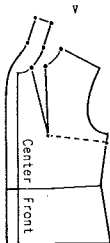
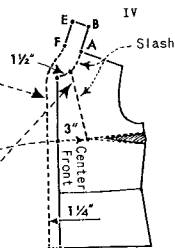


IV and V - Front and Collar in one  
For front overlap, continue line down  
below point F,  $\frac{1}{4}$ " away from center  
front as shown by dotted line.

In order to close the side dart, first locate a pivoting point along the side dart, 3' away from center front.

Draw slash line from neck (1-1/2" away from center front) to pivoting point.

Slash along dotted lines from shoulder to pivoting point and spread, closing the side dart as shown in diagram V.



## VI

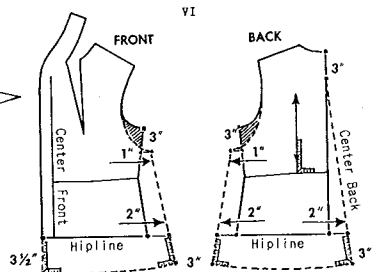
Lower the armhole, extend side seams and center back, and lengthen below hip line as shown by dotted lines. Draw the bottom lines slightly curved.

## VII and VIII

Divide Front in 2 sections as shown by dotted lines; then separate as shown in diagram VIII.

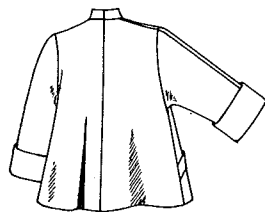
Draft Front Facing, Pocket and Welt as shown by dotted lines.

To complete pattern, add seams and hem at lower edge.

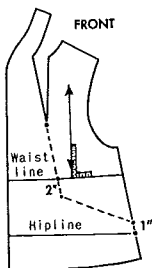


## STYLE 1

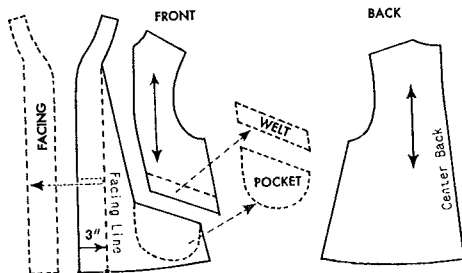
Featuring the Flared Back, the Deep-Armhole Set-In Sleeve, and Collar and Front section in one

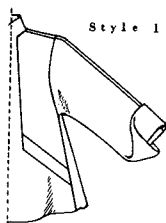


## VII

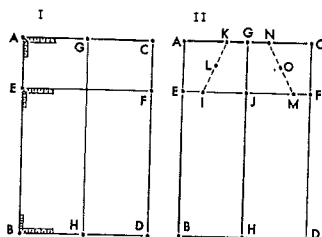


## VIII





Style 1



## DRAFT OF SLEEVE PATTERN (Style 1)

Sketch at extreme left, illustrates the 2-piece Topper set-in sleeve with a 4" wide turn-up cuff. Sleeve is  $3/4$  length.



In order to draft the deep armhole sleeve as shown in diagrams V to VII, first draft the plain set-in coat sleeve as shown in diagrams I to IV as follows:

I - (Refer to Page 5 for Arm Measurements)

- A to B - Equals Overarm Length measurement.
- A to C - Equals Arm Circumference measurement, plus 4".
- B to D - Same as A to C; then connect C to D.
- B to E - Equals Underarm Length measurement.
- D to F - Same as B to E; then connect E to F.
- G to H - Center line between line A-C and line B-D.

## II and III - Sleeve Cap

- E to I - Equals  $1/3$  of E to J.
- G to K - Equals  $1/3$  of G to J; then connect K to I.
- K to L - Equals half of K to I.
- F to M - Equals  $1/4$  of F to J.
- G to N - Equals  $1/3$  of G to C; then connect N to M.
- N to O - Equals half of N to M.
- G to E - Draw curved line from G to E, through L, for front of sleeve cap.
- G to F - Draw curved line from G to F, through O, for back of sleeve cap.

## IV

Draft Sleeve Facing,  $5-1/2$ " wide, for a 4" wide turn-up cuff. Divide sleeve in 2 parts from G to H; then draw line across, 3" below top of cap. Slash and spread  $1/2$ " as shown in diagram V. This provides the extra room for the shoulder pad.

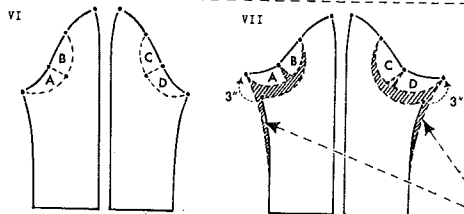
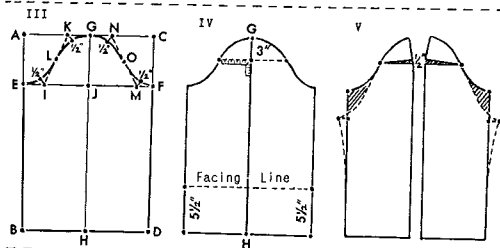
## V - For the Deeper Armhole

Lower the sleeve cap 3" and extend 1" at the sides of each sleeve section, as shown by dotted lines.

## VI and VII

The deep armhole sleeve must be so constructed, that it will allow the wearer to raise the arm more comfortably. Thus for a 3" deeper armhole, the underarm length of the sleeve must be lengthened 3" at top, as shown in diagrams VI and VII, as follows:

Divide top of sleeve cap of each sleeve section into 3 equal parts; then draw curved slash lines, 2" deep, and divide each in half. Mark the sections A to D. Slash as illustrated and spread, raising sections A and D, 3"; then draw seam lines slightly curved as shown by dotted lines.



Style 2

## DRAFT OF RAGLAN SLEEVE (Style 2)

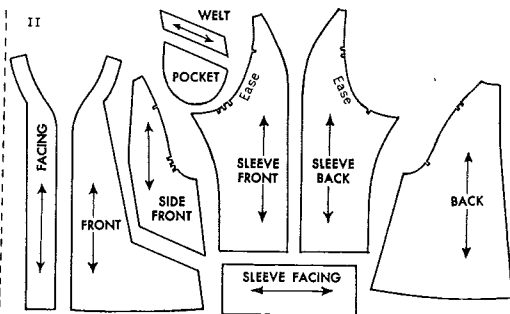
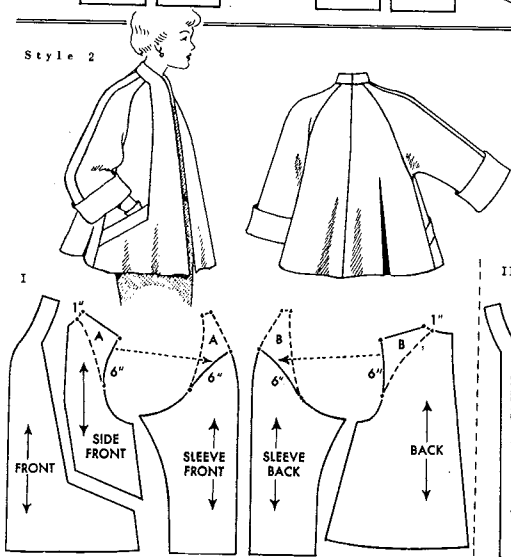
## I

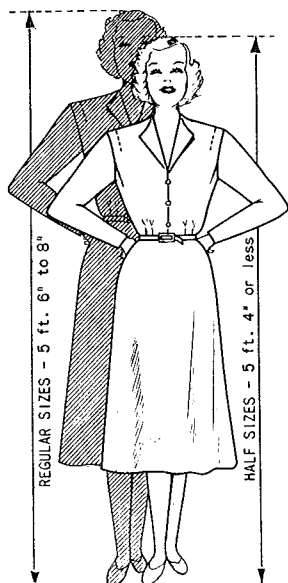
Using the Topper pattern of style I (before seams have been added), draft the raglan armhole on front and back by drawing slightly curved lines as shown by dotted lines. Mark sections A and B.

Cut away the shoulder sections (A and B) and apply them to the corresponding positions on top of the sleeve sections.

## II

To complete the pattern, add seams and a hem at lower edge.





The difference between the HALF SIZE and REGULAR SIZE figure is mainly in the height, the HALF SIZE figure measuring 5 feet 4\"/>

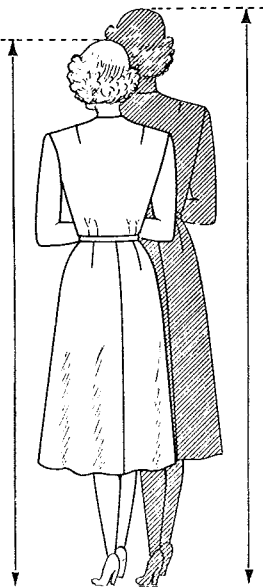
There is also a difference in the measurements around bust, waist and hip, the HALF SIZE figure measuring about 2\"/>

Garments designed especially for shorter women (trade term is HALF SIZES) are made about 3\"/>

Not all styles that are designed for the REGULAR SIZE figures are suitable for shorter women; therefore the HALF SIZE garment must be appropriate in design as well as perfectly proportioned for the shorter figure.

The body measurements listed below have been compiled in accordance with those used in the ready-to-wear trade.

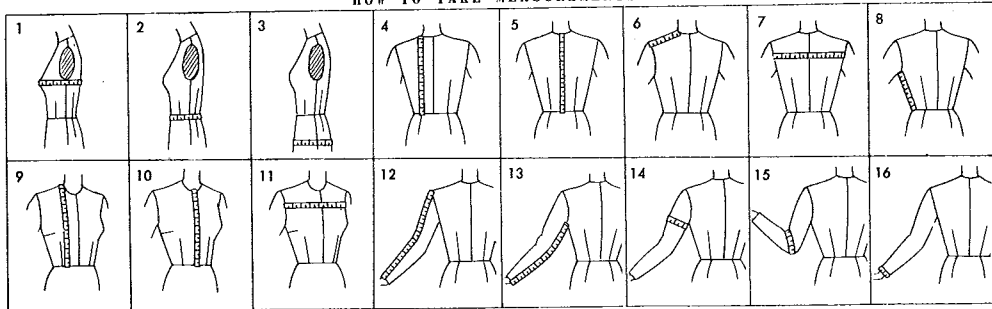
The measurements on pages 10 & 11 for HALF SIZES include the necessary ease allowance around bust and waistline for the bodice pattern, and around arm and elbow for the sleeve pattern.

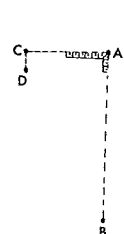
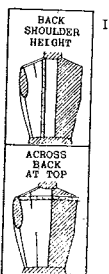


BODY MEASUREMENT CHART

SIZE	14-1/2	16-1/2	18-1/2	20-1/2	22-1/2	
1 BUST CIRCUMFERENCE	35	37	39	41	43	Over the fullest part of the bust
2 WAIST CIRCUMFERENCE	29	31	33	35	37	A fairly snug measurement
3 HIP CIRCUMFERENCE	38	40	42	44	46	About 7\"/>

HOW TO TAKE MEASUREMENTS





## HOW TO DRAFT BODICE BACK

For corresponding pattern measurements in all sizes, see chart below.

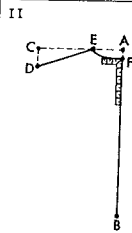
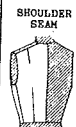
No seams are allowed.

## I

A to B=Equals SHOULDER HEIGHT measurement.

A to C=Equals half of ACROSS BACK measure, plus  $\frac{1}{2}$ ".

C to D=2". Square line down from line A-C for shoulder slope point.

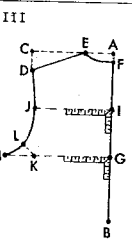
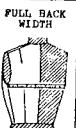


## II

D to E=Equals SHOULDER SEAM, plus  $\frac{1}{2}$ " allowance for shoulder dart (see diagram IV below). Draw line D to E, locating point E somewhere on line A-C.

B to F=Equals CENTER BACK LENGTH. Mark point F on line A-B.

E to F=Draw curved neck line from E to F, squaring neck line across at point F.



## III

F to G=Equals half of CENTER BACK LENGTH, plus  $\frac{1}{2}$ ".

G to H=Equals half of FULL BACK WIDTH measure. Square across at G.

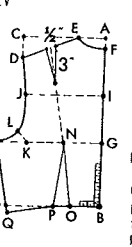
F to I=Equals half of F to G.

I to J=Equals half of ACROSS BACK measurement. Square across at I.

G to K=Equals I to J width.

K to L=1 1/4" for size 16; with 1/16" grade per size. Draw diagonal line.

D to H=Draw armhole line from D to J to L to H.



## IV

B to M=Equals half of BACK WAISTLINE measure, plus 1-1/2" allowance for waist dart. Square across at B.

G to N=Equals half of I to J.

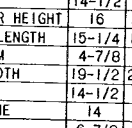
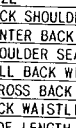
B to O=Equals G to N, less 2".

O to P=1-1/2"; then draw dart lines O to N to P.

H to Q=Equals SIDE LENGTH. Draw line through M.

Q to P=Connect for waistline.

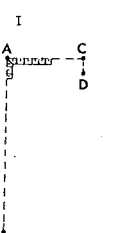
For shoulder dart, draw a line from center of shoulder to point N; then draw dart 1/2" wide, 3" long as shown.



## V

B to S=Equals B to R plus 1 1/4"; then connect S to P to complete waistline.

S to T=1 1/4"; then draw dart lines R to Q to T.



## HOW TO DRAFT BODICE FRONT

For corresponding pattern measurements in all sizes, see chart below.

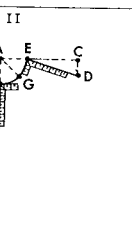
No seams are allowed.

## I

A to B=Equals SHOULDER HEIGHT measurement.

A to C=Equals half of ACROSS CHEST measure, plus 3/8". Square across at A.

C to D=1-1/2". Square line down from line A-C for shoulder slope point.



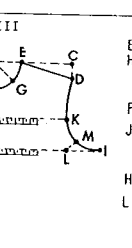
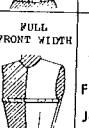
## II

D to E=Equals SHOULDER SEAM. Draw line D to E, locating point E somewhere on line A-C.

B to F=Equals CENTER FRONT LENGTH.

A to G=Equals A to E. Draw diagonal (bias) line.

E to F=Draw curved neck line from E to F through G, squaring across at F, and squaring down at F from line E-D.



## III

B to H=Equals half of A to B.

H to I=Equals half of FULL FRONT WIDTH measure. Square across at H.

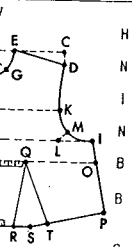
F to J=Equals half of F to H.

J to K=Equals half of ACROSS CHEST measurement. Square across at J.

H to L=Same as J to K.

L to M=1-1/8" for size 16; with 1/16" grade per size. Draw diagonal line.

D to I=Draw armhole line from D to K to M to L.



## IV

H to N=2". Mark point N on center front line.

N to O=Equals H to I, plus 3/8". Square across at N.

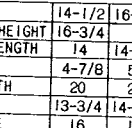
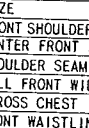
I to P=Equals SIDE LENGTH. Draw line through O.

N to Q=Equals half of J to K, plus 1/2".

B to R=Equals N to Q, less 1". Square across at B.

B to S=Equals B to R plus 1 1/4"; then connect S to P to complete waistline.

S to T=1 1/4"; then draw dart lines R to Q to T.



## V

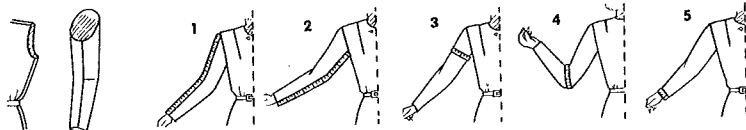
B to S=Equals B to R plus 1 1/4"; then connect S to P to complete waistline.

S to T=1 1/4"; then draw dart lines R to Q to T.

SIZE	14-1/2	16-1/2	18-1/2	20-1/2	22-1/2
BACK SHOULDER HEIGHT	16	16-1/4	16-1/2	16-7/8	17-1/8
CENTER BACK LENGTH	15-1/4	15-1/2	15-3/4	16	16-1/4
SHOULDER SEAM	4-7/8	5	5-1/8	5-1/4	5-3/8
FULL BACK WIDTH	19-1/2	20-1/2	21-1/2	22-1/2	23-1/2
ACROSS BACK	14-1/2	15	15-1/2	16	16-1/2
BACK WAISTLINE	14	15	16	17	18
SIDE LENGTH	6-7/8	7	7-1/8	7-1/4	7-3/8

SIZE	14-1/2	16-1/2	18-1/2	20-1/2	22-1/2
FRONT SHOULDER HEIGHT	16-3/4	17	17-1/4	17-5/8	17-7/8
CENTER FRONT LENGTH	14	14-1/4	14-1/2	14-3/4	15
SHOULDER SEAM	4-7/8	5	5-1/8	5-1/4	5-3/8
FULL FRONT WIDTH	20	21	22	23	24
ACROSS CHEST	13-3/4	14-1/4	14-3/4	15-1/4	15-3/4
FRONT WAISTLINE	16	17	18	19	20
SIDE LENGTH	6-7/8	7	7-1/8	7-1/4	7-3/8





The illustrations to the left show how to take the necessary arm measurements for drafting the dress sleeve pattern.

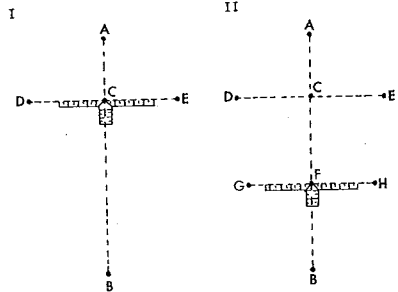
For sleeve pattern measurements in all sizes, see chart to the left.

No seams are allowed.

The measurements include about 3" ease allowance around arm (at muscle), and the necessary ease around elbow and wrist.

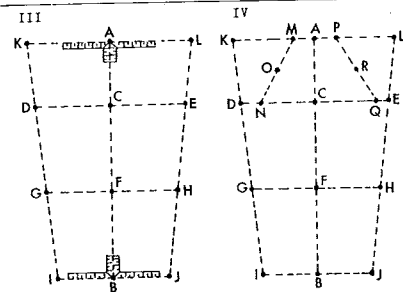
SIZE	14-1/2	16-1/2	18-1/2	20-1/2	22-1/2
1. Overarm Length	23	23-1/4	23-1/2	22-3/4	24
2. Underarm Length	16-5/8	16-3/4	16-7/8	17	17-1/8
3. Arm Circumference	14	14-1/2	15	15-1/2	16
4. Elbow Circumference	12	12-1/2	13	13-1/2	14
5. Wrist Circumference	7-3/4	8	8-1/4	8-1/2	8-3/4
					from shoulder to wrist
					from armpit to wrist
					a little below armpit
					with arm bent up
					a loose measurement

# HOW TO DRAFT THE ONE-PIECE DRESS SLEEVE



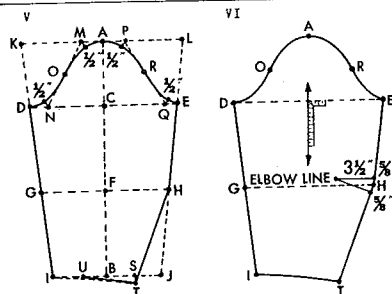
- I  
A to B - Equals OVERARM LENGTH measurement. Draw straight line from A to B.  
B to C - Equals UNDERARM LENGTH measurement. Mark point C on line A-B (A to C equals cap height or 1/3 of armpit circumference. For example: If armpit of bodice measures 19-1/2", cap height is 6-1/2").  
C to D - Equals half of arm circumference measurement. Square this line across at point C.  
C to E - Same amount as C to D. Square across at C.

- II  
B to F - Equals half of B to C. Mark point F on line A-B for elbow line position.  
F to G - Equals half of elbow measurement. Square this line across at point F.  
F to H - Same amount as F to G. Square across at F.



- III  
B to I - Equals F to G, less 1". Square across at point B.  
B to J - Same amount as B to I. Square across at point B.  
I to K - Draw line from I to K through G and D, bringing point K to the level of point A.  
J to L - Draw line from J to L through H and E, bringing point L to the level of point A. Connect K to L.

- IV. (Guide lines for sleeve cap)  
A to M - Equals 1/4 of A to K.  
D to N - Equals 1/4 of D to C. Connect M to N.  
M to O - Equals 1/2 of M to N. Mark point O on line M-N.  
A to P - Equals 1/4 of A to L.  
E to Q - Equals 1/4 of E to C. Connect P to Q.  
P to R - Equals 1/2 of P to Q. Mark point R on line P-Q.



- V  
A to D - Draw curved cap line from A to D through Q for front of sleeve cap as indicated.  
A to E - Draw curved line from A to E through R for back of sleeve cap.  
I to S - Equals wrist measure. Mark point S on line I-J.  
S to T - 3/4". Square a line down at point S.  
I to U - Equals half of I to B.  
U to T - Connect; then draw curved line from T to I.  
T to H - Connect.

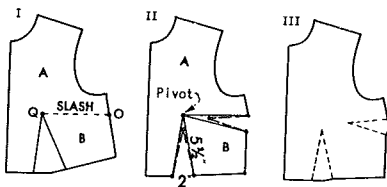
## VI. (V-shaped elbow dart).

The back edge of sleeve, from E to H to T, is 1-1/4" longer than front edge, from D to G to I. Make V-shaped dart 1-1/4" wide and 3-1/2" long at elbow as indicated, making upper line of dart, parallel to elbow line.

# HALF SIZES - DARTS, TUCKS AND GRADING



STYLE 1



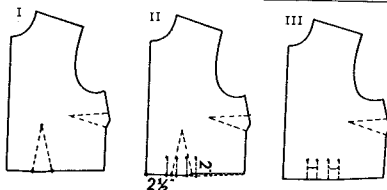
**STYLE 1 - Front with side darts**  
This style features side and waist darts which give it a smoother fit over the bust.  
Using the bodice front foundation, make a side dart in pattern as follows:

**I**  
Slash along side dart line (O to Q); then spread and make the waist dart 2" wide at waistline as shown in diagram II.

**II and III**  
Draw V-shaped lines 4-1/2" long for side dart, and 5-1/2" long for waist dart (for size 16-1/2)



STYLE 2



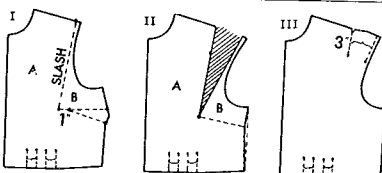
**STYLE 2 - With side dart and waist tucks**  
The tucks at waistline give the front a little extra fullness below the bust, and also a softer effect than with dart fitting.

**I and II**  
Trace outline of front (Style 1); then trace the lines for the side and waist darts.  
To replace the waist dart, make 2 tucks, 2" high, and drawing the 4 lines 1" apart.  
For size 16-1/2, make the first tuck 2-1/2" from center front.

**III**  
Completed front pattern with waist tucks.



STYLE 3



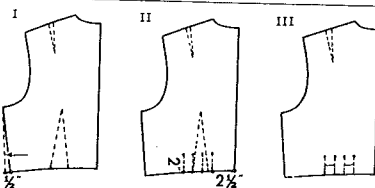
**STYLE 3 - With shoulder tuck at armhole**  
Especially suitable for the HALF SIZE figure.

**I and II**  
Using the waist front pattern of Style 2, draw slash line from shoulder (as near as possible to armhole) to a point 1" away from the side dart. Mark sections A and B; then slash and spread as shown in diagram II.  
Straighten side seam line.

**III**  
Mark the sewing lines for the shoulder tuck, 3" long as shown.



STYLE 4



**STYLE 4 - Back with waist tucks**

**I**  
Trace outline of back bodice foundation; then trace the lines for shoulder and waist darts.

**II and III**  
To replace the waist dart, make 2 tucks, 2" high, and draw the 4 lines 1" apart.  
For size 16-1/2, make the first tuck, 2-1/2" away from center back.

## GRADING HALF SIZES

Diagrams below show where and how much to grade FRONT, BACK and SLEEVE per size.

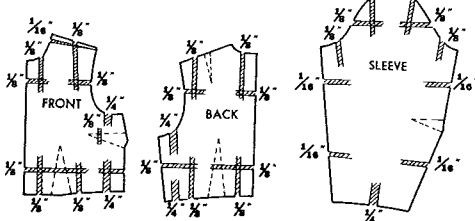
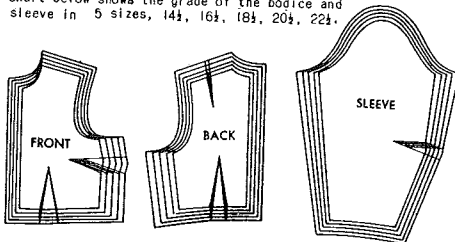


Chart below shows the grade of the bodice and sleeve in 5 sizes, 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2.



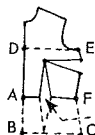
## HOW TO DRAFT HIP-LENGTH DRESS FOUNDATION - HALF SIZES

Using the Dress Bodice Front and Back as a guide, draft Hip-Length Dress Foundation according to directions given on page 3, diagrams I to IV, but, for the Front, make the following changes:

Make waist dart 1-3/4" wide instead of 1-1/2".

A to B - 7" (waist to hip) -

B to C - equals bustline D to E, plus 1/2".





### SHORT JACKET

- Featuring -

Double-Breasted Front -  
Loose-Fitting Waistline -  
Convertible Notch Collar -  
Sleeve, about 3/4 length.

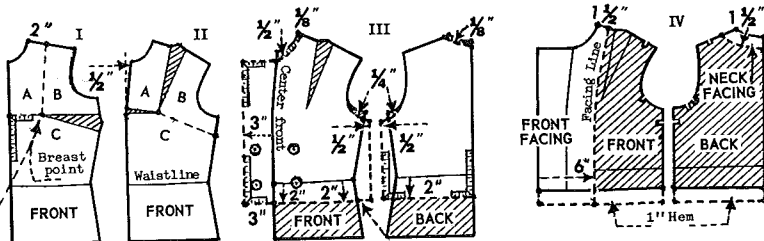
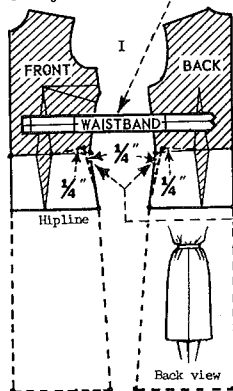


### SKIRT - (2 Styles)

- Featuring -

Sheath Skirt, with lower edge sweep, about 44".  
4-Piece Flared Skirt, with sweep, about 70".

For WAISTBAND directions, see page 52 in "Pattern Drafting & Grading" book.



### HOW TO DRAFT JACKET PATTERN

I and II - Front Shoulder Dart

Using the revised Hip-Length Dress Foundation as a guide, draw slash lines from shoulder to breast point, and from center front to breast point, as shown by dotted lines; then slash and spread, closing up the side dart as shown in diagram II.

III

Lower the neckline as indicated; then lower the armhole, add to the side seams and at center front, and then draw lower edge lines of Jacket as shown by dotted lines.

IV - Jacket Facings

First add 1" hem to lower edge of Jacket; then draft the Neck and Front Facings as shown by dotted lines.

V and VI - Sleeve

Using the Dress Sleeve Foundation, increase width of Sleeve; then shorten Sleeve as shown by dotted lines. Add 1" hem.

VII - Collar

Trace top of Jacket Front; then draft Collar as follows:

A to C - Equals Neck measure, from center front to center back. Draw line from A to C, through point B.

VIII

C to D - 1-1/4" (This equals the Collar stand at center back). Draw squared line, from C to D to point E at center of curved neckline.

C to F - Equals C to D, plus 1/2". Draw straight line from D to F, through point C.

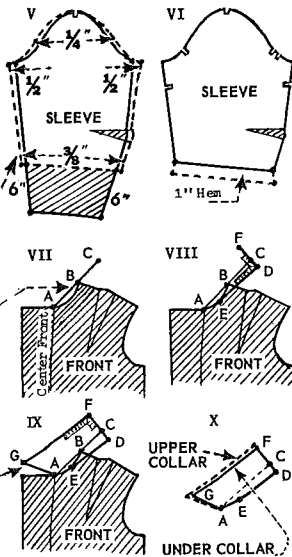
IX

F to G - Square from line D-F to point G, about 1" from lapel; then connect G to A, to complete Collar.

X - Upper Collar

Make Upper Collar 1/8" wider than Under Collar as shown.

To complete pattern, add seams. Make corresponding notches.



### HOW TO DRAFT SKIRT PATTERN

I and II - Sheath Skirt

Using the Hip-Length Dress Foundation as a guide, draft Skirt, the required length, and make width at lower edge of Front, equal the Front width at hip, plus 1-1/2". The same applies to the Back.

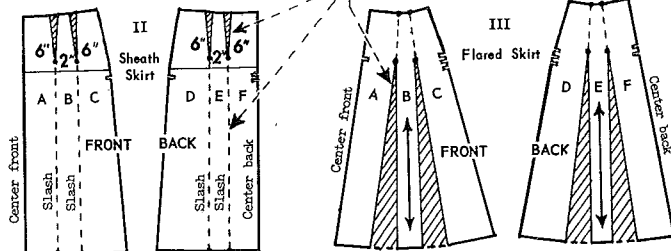
For close-fitting waistline, reduce at side seams, and raise waistline at side seams as indicated.

For double darts, make 2 smaller darts in place of the single darts in Front and Back as indicated. (For Peg-Top Front, make pleats instead of darts).

II and III - Flared Skirt

Draw slash lines as shown by dotted lines; then slash and spread, closing up the darts as shown.

To complete pattern, add seams and hem at bottom.

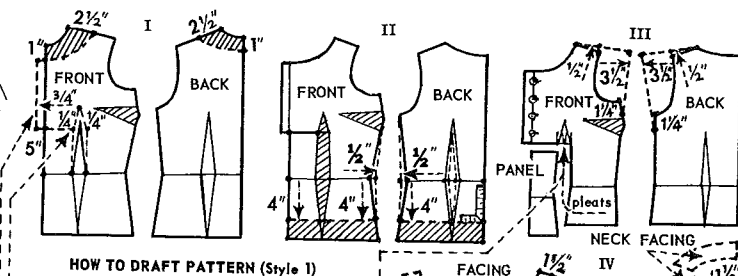


## OVER-BLOUSE DRAFTING (Styles 1 and 2)

**STYLE 1**

- Featuring -

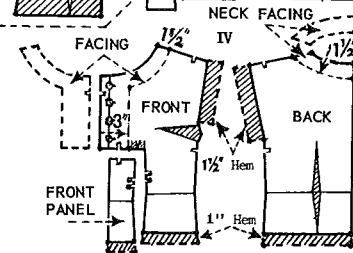
- Semi-fitted Over Blouse -
- Closer-fit (just below bust) -
- Scooped neckline -
- Dropped-Shoulder outline -
- Ribbon trimming on panel.

**HOW TO DRAFT PATTERN (Style 1)**

**I**  
Using the revised "Hip-Length Dress Foundation" as a guide, trace Front and Back; then for closer-fit (about 5" above waistline), make dart 1/2" wider (1/4" on each side of dart), and extend point of dart up to breast point, as shown by dotted lines.  
Draft lower neckline as shown; then for button closing in front, add 3/4" to center front as shown by dotted lines.

**II**  
Draft length of Blouse, to 4" below waistline. For semi-fitted Blouse, reduce width of Back waist dart, 1/2" at waistline, and add 1/2" at side seams as shown by dotted lines.

**III**  
Separate Front Panel from Front; then mark 2 small pleats in place of the single dart, below breast point.  
Draft the Dropped Shoulder outline on Front and Back as shown by dotted lines.



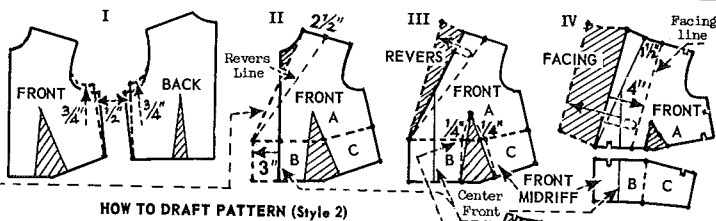
**IV**  
Draft Front and Neck Facings as indicated. (Front Facing may be made in one with Front).  
Add 1-1/2" wide hem to arm opening as indicated. Add 1" hem to lower edge of Blouse.

To complete the pattern, allow seams.

**STYLE 2**

- Featuring -

- Sleeveless Over-Blouse -
- Fitted Midriff in front -
- Front and Revers in one.

**HOW TO DRAFT PATTERN (Style 2)**

**I**  
Using the Dress Bodice Foundation as shown in the Supplementary Revised Edition of Junior's, Misses and Women's sizes, reduce 1/2" at top of side seams, and raise armhole 3/4" as shown by dotted lines.

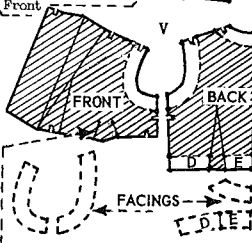
**II**  
Draft Midriff as follows: Width of Midriff at center front and at waist dart, equals 1/3 of center front length; width of Midriff at side seam is 1" less than at center front.

For overlap closing, add 3" to center front of Midriff; then draw rolling line, from Midriff to shoulder seam at neckline as indicated.

For Revers, draw line from shoulder to bottom outer edge of Front; then trace Revers to make Revers and Front in one section as shown in diagram III.

**III**  
For closer-fit Midriff (just below bust), make dart 1/2" wider (1/4" on each side of the dart) at top of Midriff, as shown by dotted lines; then separate Midriff from Front, and close up dart (between B-C) as shown in diagram IV.

**IV**  
Draft Facing, 4" wide for Revers and Front as shown; then trace Facing to make Facing and Front in one section.  
Mark short lines for the pleat in place of the bust dart.



**V**  
Draft 1-1/2" wide Facings for arm-hole, back of neck and lower edge, as shown by dotted lines.

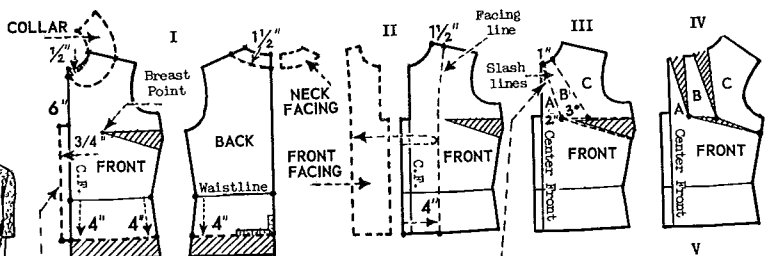
Midriff is faced of self fabric.

To complete pattern, add seams.

**STYLE 3**

- Featuring -

Neck pleats in front -  
Flat-fitting Collar -  
Loose-fitting waistline -  
One-piece Short Sleeve.

**HOW TO DRAFT THE PATTERN**

**I**  
Using the revised "Hip-Length Dress Foundation" as a guide, draft length of Blouse, to 4" below the waistline; then add 3/4" to center front, for button-closing, as shown by dotted lines. For loose-fitting waistline, eliminate the waist darts in Front and Back.

For draft of Collar, first lower the neckline 1/2" at center front; then draft "Flat-Fitting Collar" according to directions given in "Pattern Drafting & Grading" book, page 49.

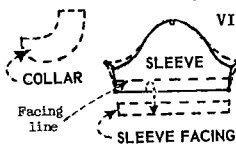
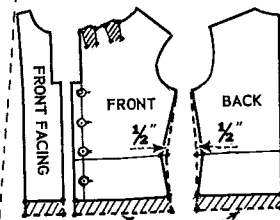
Draft Back Neck Facing, 1-1/2" wide as indicated.

**II**  
Draft Front Facing as shown by dotted lines.

**III**  
For neck pleats in front, first extend side dart, to 2" from center front; then draft slash lines for the neck pleats. Mark sections A-B-C.

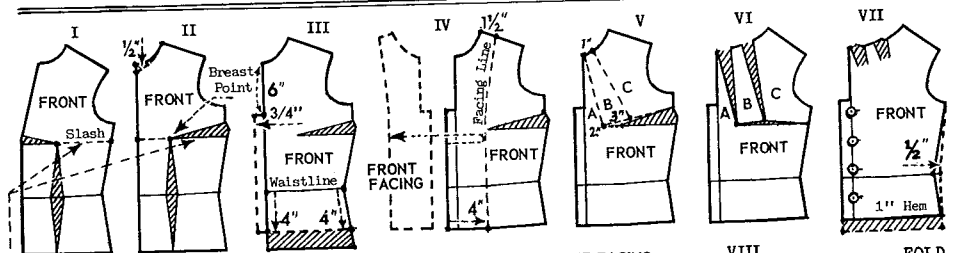
**IV**  
Slash along pleat lines, from neck to side dart and spread, closing up the side dart, and making equal size spreads for the 2 pleats as indicated.

**V**  
For looser-fitting waistline, add 1/2" to side seams as shown by dotted lines. Add 1" hem at lower edge of Blouse.



**VI - SLEEVE**  
To draft "Short Sleeve" pattern, see directions given for "Chemise Dress" draft, diagram IV.

To complete the pattern, allow seams.

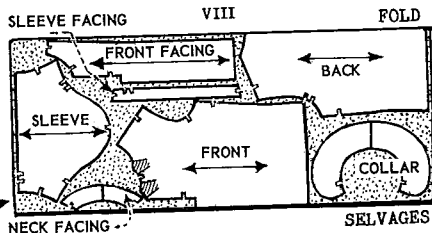
**HOW TO DRAFT FRONT PATTERN OF THE ABOVE STYLE BY USING THE "CHEST SLANT" FRONT FOUNDATION IN BACK OF THE BOOK**

**I and II**  
Using the "Chest Slant" Front Foundation as a guide, change pattern to a "Side Dart" Front as shown in diagrams I and II.

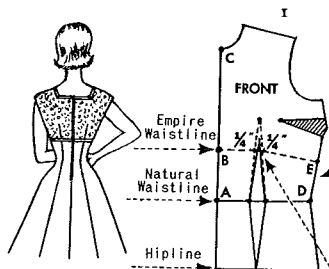
**III to VII**  
To complete the Front pattern, draft Front and Facing according to directions given above for diagrams I to V.

**VIII - Cutting Diagram**

Pattern pieces are laid out on 39" folded fabric.



## EMPIRE PRINCESS DRESS - STYLE 1



## HOW TO DRAFT THE PATTERN

Using the Hip-Length Dress Foundation as shown in the Supplementary Revised Edition of the Sub-teens and Teens, or the Junior's, Misses and Women's sizes, draft pattern as follows:

## I and II - Empire Waistline

## FRONT

A to B - Equals  $\frac{1}{3}$  of A to C.  
D to E - Equals A to B, less  $\frac{1}{4}$ .  
B to E - Square across to dart; then connect to point E.

## BACK

F to G - Same as D to E on Front.  
H to I - Equals F to G, less  $\frac{1}{4}$ .  
G to I - Connect.

For closer fit Empire Waistline, (just below the bust), make dart  $\frac{1}{2}$ " wider ( $\frac{1}{4}$ " on each side of the dart), and extend point of dart up to the level of the side dart, as shown by dotted lines.

Separate the Front and Back sections as shown in diagrams III and VI.

## III and IV

To eliminate the side dart, draw slash line from point of side dart to Empire Seam line (diagram III) as shown by dotted line; then slash and spread, closing the side dart as shown in diagram IV. This also provides the additional amount needed for the front pleats.

## V and VI

Draft square neckline in Front and Back; then draft the Dropped-Shoulder outline as shown by dotted lines.

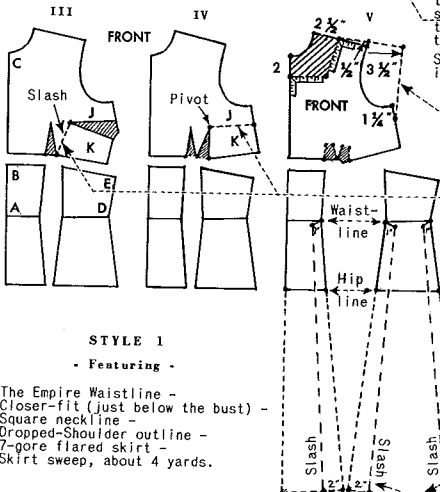
To keep bodice from standing away at square neckline, reduce  $\frac{1}{4}$ " at top of center back and front neckline to nothing at lower edge of bodice as shown in diagrams VII and VIII.

Skirt Length - Equals the prevailing style length, measuring from natural waistline to hem of skirt. Draw straight lines down below hip to required length; then curve bottom lines slightly as shown by dotted lines.

For a sweep of 4 yards, draw slash lines at the 7 skirt seams to waistline; then slash and spread as shown in diagram VII and VIII, making the necessary allowance for the required sweep (about 5" at each spread).

## VII and VIII

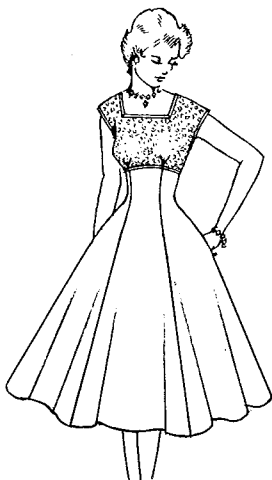
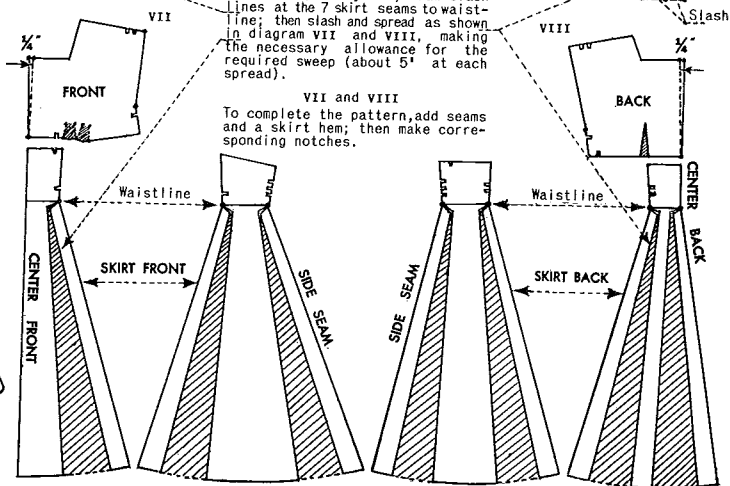
To complete the pattern, add seams and a skirt hem; then make corresponding notches.



## STYLE 1

- Featuring -

The Empire Waistline -  
Closer-fit (just below the bust) -  
Square neckline -  
Dropped-Shoulder outline -  
7-gore flared skirt -  
Skirt sweep, about 4 yards.



# HOW TO DRAFT THE PATTERN

Using the Hip-Length Dress Foundation as shown in the Supplementary Revised Edition of the Sub-Teens and Teens, or the Junior's, Misses and Women's sizes, draft pattern as follows:

## I and II - Midriff

A sleeveless dress is usually closer fitting (about 2") around bust, and the depth of the armhole is raised 3/4" as shown by dotted lines.

Midriff - First draft lower edge of midriff, half way between hip and waistline; then draft the upper edge of midriff as follows:

## FRONT

A to B - Equals 1/3 of A to C.  
D to E - Equals A to B, less 1".  
B to E - Square across to dart;  
then connect to point E.

## BACK

F to G - Same as D to E on Front.  
H to I - Equals F to G, less 1/4".  
G to I - Connect.

For closer fit midriff (just below the bust), make dart 1/2" wider (1/4" on each side of the dart); then bring dart up to the level of the side dart as shown by dotted lines.

Separate the Front and Back sections as shown in diagrams III and VI.

## III and IV

To eliminate the side dart, draw slash line from point of dart, down to midriff line; then slash and spread, closing the side dart as shown in diagram IV. This also provides the additional amount needed for the bustline gathers.

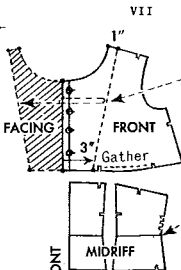
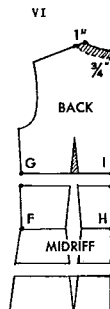
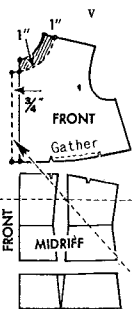
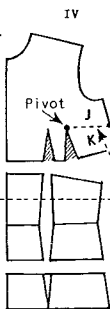
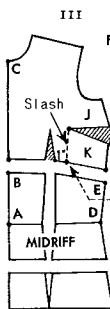
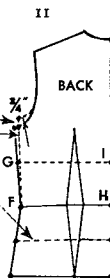
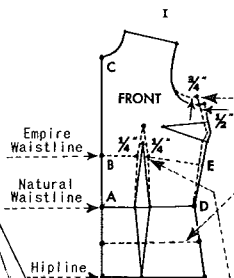
## V and VI

Lower the neckline in Front and Back, and extend Front, 3/4" beyond center front for button closing as shown by dotted lines.

## STYLE 2

### - Featuring -

Long-Torso Midriff -  
Closer-fit (just below bust) -  
Slightly lower neckline -  
Dirndl Skirt -  
Skirt sweep, nearly 4 yards.

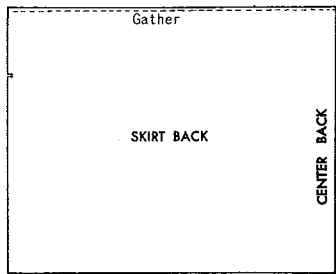
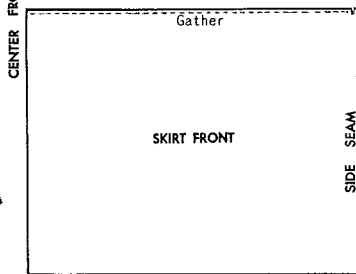


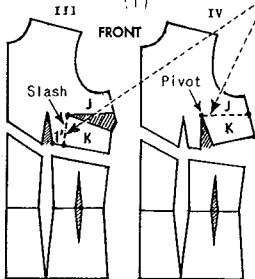
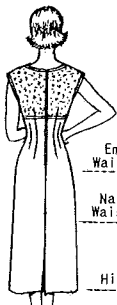
## Skirt

Length of Skirt - Equals the prevailing style length, measuring from natural waistline to hem of skirt.

Width of Skirt - Equals about 4 times the circumference of the bottom of midriff.

To complete the pattern, add seams and a skirt hem; then make corresponding notches.



**EMPIRE SHEATH (With Peg-Top Skirt) - STYLE 3**

### STYLE 3

**• Featuring •**

- Pointed Empire Waistline -
- Pointed lower neckline -
- Closer-fit (just below bust) -
- Dropped Shoulder outline -
- Peg-Top Skirt Front -
- Kick Pleat in back of skirt.



## HOW TO DRAFT THE PATTERN

I and II

Using the Hip-Length Dress Foundation, draft the Empire Waistline on Front and Back (from A to I), as described for Style 1, paragraph #1 and 11.

For pointed empire waistline, raise line 2' above point B at center front, to nothing at dart as indicated.

For closer fit Empire Waistline (just below the bust), make the dart  $1/2''$  wider ( $1/4''$  on each side of dart); then extend dart up to the level of the side dart as shown by dotted lines.

For additional darts at waistline, (for smoother fit), first add  $1/2''$  to side seams at waistline, to nothing at top and bottom; then draft the oval shaped darts, 7" long and  $1/2''$  wide, half way between dart and side seam.

Separate the Front and Back sections as shown in diagrams III and VI.

III and IV

To eliminate the side bust dart, see directions given for Style 1, paragraph #III and IV.

V, VI and VII

Draft neckline in Front and Back; then draft  
Dropped Shoulder outline as shown by dotted  
lines.

Skirt Length - Equals the prevailing style length, measuring from natural waistline to hem of skirt.

Width at lower edge of Skirt Front equals hip-line plus 1". The same applies to Skirt Back.

For peg-top effect in front of skirt, draw slash line through center of waist dart to bottom; then slash from top to bottom and spread 1" as shown in diagram VII.

VIII

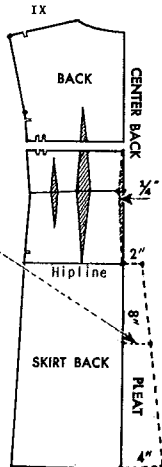
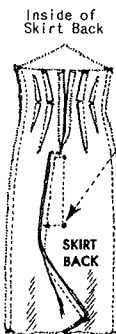
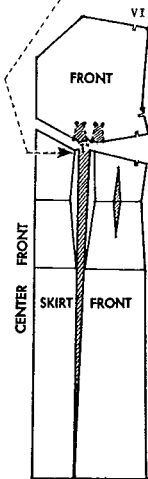
Draw the stitching lines of the peg-top dart to waistline only. When stitched, it automatically forms a soft pleat below waistline (see sketch below).

IX

Add a kick pleat at center back of skirt as shown by dotted lines. Pleat is stitched to 8" below hipline and across pleat (see sketch below).

For a closer fitting waistline, reduce 1/4" at center back as indicated.

To complete the pattern, add seams and a skirt hem; then make corresponding notches.





## HOW TO DRAFT THE PATTERN

## I - Dress Bodice

Using the Dress Bodice Foundation as shown in the Supplementary Revised Edition of Junior's, Misses' and Women's sizes, trace front for left and right side as indicated.

## II and III - Midriff

Width of Midriff at center front equals  $\frac{1}{3}$  of center front length -

at dart,  $\frac{1}{4}$ " less than at center front -

at side,  $1$ " less than at center front -

at center back,  $\frac{1}{4}$ " less than at side.

## IV, V and VI

For closer fit midriff (just below bust), make dart  $\frac{1}{2}$ " wider ( $\frac{1}{4}$ " on each side of dart) at upper edge of midriff; then extend point of dart  $2$ " up as shown by dotted lines. Draft lower neckline as shown in diagrams IV and VI.

Separate the midriff sections on front and back; then eliminate the darts on midriff between E and B, B and C and G and H (diagrams V and VI), and on front Bodice between D and A (diagram V).

## VII

For pleats in bodice front, draw 3 slash lines as shown by dotted lines; then, to eliminate the waist dart, slash along dotted lines and spread, closing up the dart as shown in diagram VIII. Make sure that the pleat spreads are equally spaced.

Draw the pleat stitching lines to center front only as shown in diagram X. When stitched, soft pleats will automatically form beyond center front.

## VIII and IX

Dropped Shoulder - Draft the Dropped Shoulder outlines as shown in diagrams VIII and IX.

## X and XI

Skirt Length - Draft skirt length according to the prevailing style length, measuring from waistline to hem of skirt.

Skirt Width - Equals about four times the width of lower edge of midriff.

To complete the pattern, add seams and a skirt hem; then make corresponding notches.

## STYLE 4

## - Featuring -

Surplice Bodice - May be made with right front over left or left front over right.

Midriff, closer fit below bust.

Dropped Shoulder outline.

Skirt - Gathered or pleated.

Skirt sweep, about 4 yards.



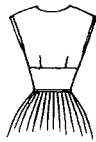
## Gather or Pleat

SKIRT FRONT  
CENTER FRONT



## Gather or Pleat

SIDE SEAM



SKIRT BACK

CENTER BACK

### DRAFT OF BOLERO PATTERN (Style 1)

Using the Hip-Length Dress Foundation as shown in the Supplementary Revised Edition of the Sub-Teens and Teens or the Junior's, Misses and Women's sizes, draft pattern as follows:

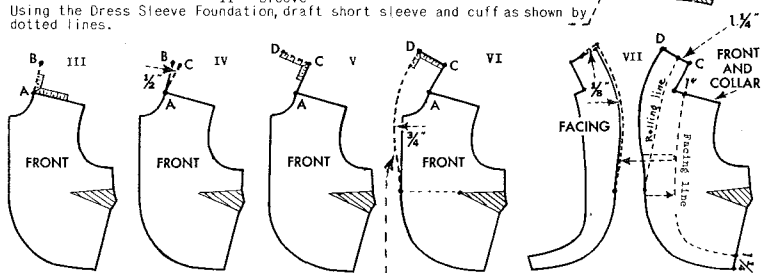
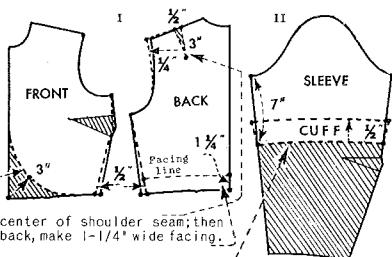
1 - Bolero

For semi-fitted Bolero, trace Front & Back to waistline only, and eliminate the waist darts; then reduce  $1/2"$  at sides of waistline, and draw curved outline in Front as shown by dotted lines.

Instead of the 1/4" ease on back shoulder seam, make a dart, 1/2" wide and 3" long, at center of shoulder seam; then add 1/4" to shoulder at armhole. For bottom of back, make 1-1/4" wide facing.

II - Sleeve

Using the Dress Sleeve Foundation, draft short sleeve and cuff as shown by dotted lines.



III - Collar & Front in one

A to B - equals back of neck (from shoulder seam to center back). Square this line up from shoulder line.

B to C -  $1/2''$ ; then <sup>IV</sup> connect from A to C.

C to D -  $2\frac{3}{4}$ ". This equals  $1\frac{1}{4}$ " for stand of collar at center back, plus  $1\frac{1}{2}$ " for turn back. Square at point C.

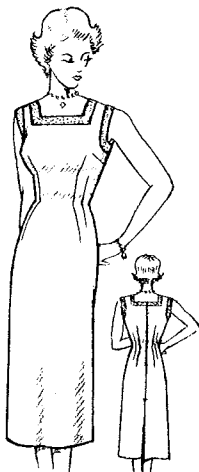
To complete the collar and front in one, draw a squared line from point D (about 2" long), then continue the line slightly curved to edge of front as shown by dotted line.

VII  
Draft facing as indicated, making facing 1/8"  
wider and 1/8" longer at center back as shown  
by dotted lines.

To complete the pattern, add seams on all sewing edges.

- Featuring -

One-Piece Sleeveless  
Sheath -  
Extra waist darts in  
Front and Back -  
Square neckline -  
Kick pleat at center  
back -  
Neck and Armhole may  
be faced or finished  
with Trimming Band.



### DRAFT OF SHEATH PATTERN (Style 2)

Using the Hip-Length Dress Foundation as described for Style 1 above, draft pattern as follows:

I and II  
For additional darts at waistline in Front and Back,  
first reduce width of each waist dart  $1/2''$ , and shorten  
the darts  $1''$  at hipline; then draft oval shaped darts  
 $1/2''$  wide and  $7''$  long, half way between the dart  
and side seam as shown by dotted lines.

For closer fit front (just below the bust), make the waist dart 1/2" wider, about 5" above the waistline; then extend the dart up to the level of the side dart as shown by dotted lines.

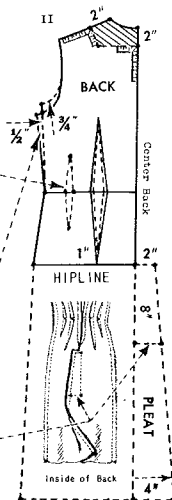
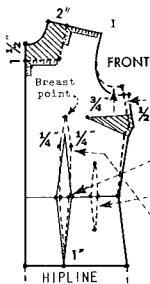
A sleeveless dress is usually closer fitting around bust (about 2"). Therefore, reduce 1/2" at upper part of each side seam; then raise armhole 3/4" as shown by dotted lines.

Draft squared neckline as shown by dotted lines.

Dress length equals the prevailing style length.  
Width at lower edge of Front equals the front width  
at hipline, plus 1". The same applies to the Back.

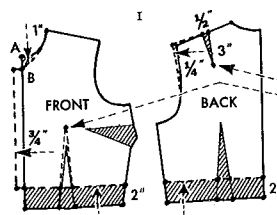
Add a kick pleat at center back as shown by dotted lines. Pleat is stitched to 8" below hipline along center back and across the pleat (see sketch).

To complete the pattern, add seams and a dress hem.



STYLE 3

- Featuring -  
Fitted Short Jacket -  
3/4 Length Sleeve -  
Jacket & Sleeve in one-  
Roll-Fitting Collar.

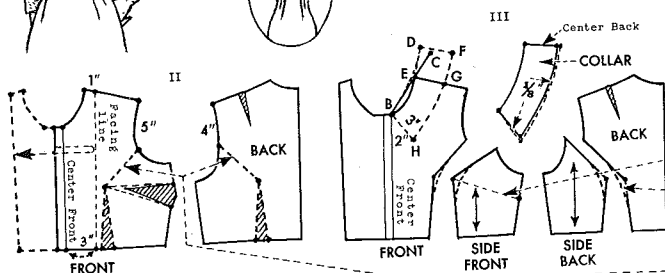


DRAFT OF JACKET (Style 3)

I  
Using the Hip-Length Dress Foundation as in Style 1, trace Front and Back to waistline only; then extend the front waist dart up to the level of the side dart as indicated.

Lower neckline 1" at center front, and extend front 3/4" beyond center front for front closing overlap; then shorten Front and Back 2" as indicated.

Instead of the 1/4" ease on back shoulder seam, make a dart 1/2" wide and 3" long at center of shoulder seam; then add 1/4" to shoulder seam beyond armhole.



II  
Draft front facing as shown; then trace Facing and Front in one section.

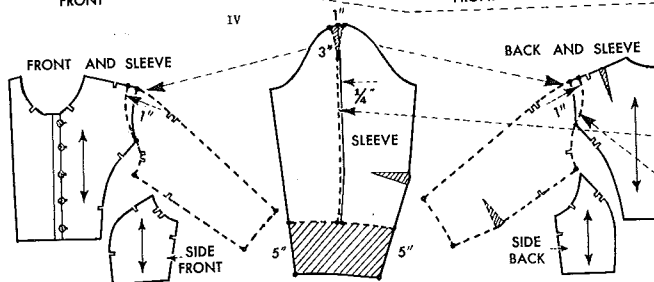
To divide Front and Back into 4 sections, draw seam lines from armhole to top of the waist darts; then extend side dart to the dividing line as shown by dotted lines.

Separate the 4 sections; then close up the side dart as shown in diagram III.

III  
Draw curved lines at the corners of the 4 sections as shown by dotted lines.

To draft collar, see directions given on page VII in Supplementary Section, Part 2 - using steps from A to H, but make the following changes:

- A to B - 1" (see diagram I) -
- B to C - 7" (for size 16) -
- C to D - 1-1/4" -
- B to H - 3" -



IV  
For 3/4 Length Sleeve, use the Dress Sleeve Foundation as in Style 1, and shorten 5"; then divide in half and draw seam line 1/4" toward the front. Reduce 1" at top of sleeve to nothing, 3" below; then apply the sleeve sections to Front and Back as follows:

Overlap cap of sleeve 1" at top of armhole to nothing at lower part of armhole as shown by dotted lines.

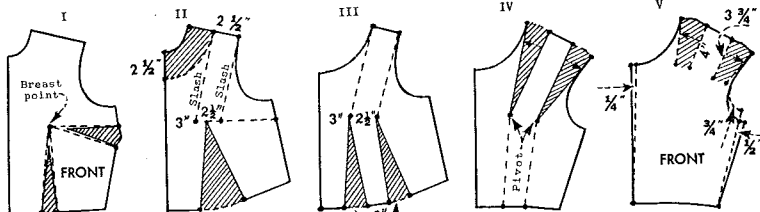
To complete the pattern, add seams and make corresponding notches.



STYLE 4

- Featuring -

Sleeveless Dress Bodice Front -  
Scoop Neckline -  
Stitched shoulder pleats -  
To draft Bodice Back, see directions for Style 7.



DRAFT OF DRESS BODICE FRONT (Style 4)

I  
Using the Dress Foundation as in Style 3, trace Front to waistline only; then pivoting at breast point, close up side dart as shown in diagram II.

II  
Lower the neckline as indicated. Draw 2 parallel slash lines for the pleats as shown by dotted lines.

III and IV  
Instead of the single waist dart as shown in diagram II, draw 2 smaller darts (below the pleat lines), equaling the single waist dart; then slash along the pleat lines and spread, closing up the waist darts as shown in diagram IV.

V  
Reduce 1/4" at center front neckline; then raise armhole and reduce width at top of side seam as shown by dotted lines.

To complete the pattern, add seams.



- Featuring -

### DRAFT OF JACKET PATTERN (Style 5)

Instead of the 1/4" ease on back shoulder, make a dart, 1/2" wide and 3" long at center shoulder seam; then add 1/4" to shoulder seam beyond armhole as shown.

ii  
Draft outline of Front as indicated; then shorten Jacket as shown by dotted lines.

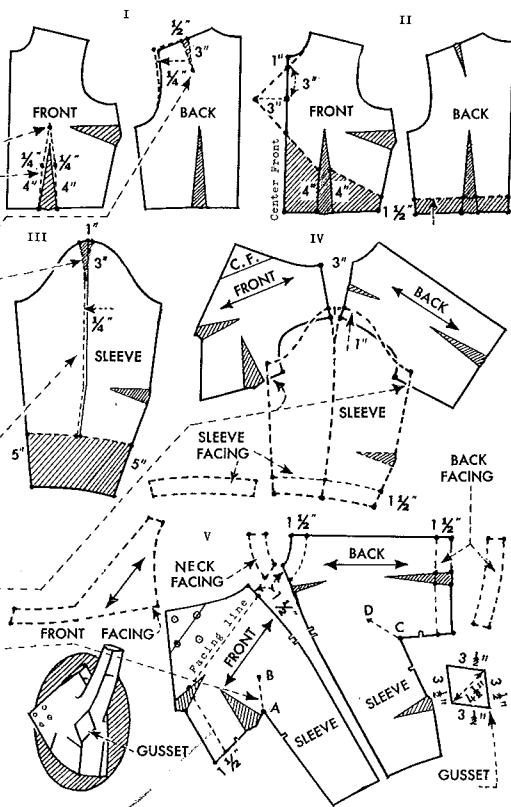
III  
For 3/4 length sleeve, use the Dress Sleeve Foundation as in Style I, and shorten 5"; then divide in half and draw seam line, 1/4" toward the front. Reduce 1" at top of sleeve cap to nothing, 3" below.

Trace Front & Back with shoulders 3" apart at neckline and 1" apart at armhole; then place sleeve with top of cap overlapping 1" beyond armhole at shoulder, and having the Sleeve balanced evenly on both sides at the underarms as shown by dotted lines. Draft a facing for bottom of sleeve.

For gusset, draw diagonal slash lines, 3-1/2" long, from A to B on Front, and 3-1/2" long, from C to D on Back (the angle of these lines run from the underarm corner (A and C) to neck at shoulder). Draft a diamond shaped gusset, 4-1/2" wide, and having each line, 3-1/2" long, to correspond with the slash lines on Front and Back.

Draft facings for Front and Back, closing up the waist-line darts as indicated.

To complete the pattern, add seams and make corresponding notches.



**• Featuring •**

Sleeveless Dress Bodice  
Front -  
Scooped Neckline -  
Diagonal pleats, overlapped at center front.  
To draft Bodice Back, see Style 7 directions.

### DRAFT OF DRESS BODICE FRONT (Style 6)

I  
Using the Dress Front Foundation as in Style  
4, trace front to waistline only.

Lower the neckline as shown by dotted line; then pivoting at breast point, close up the side dart as shown in diagram II.

II  
Draw 2 parallel lines for the pleats, making the space between lines, 2-1/2" wide, and having the lines reach down to 1" below breast point as shown by dotted lines.

III and IV  
Instead of the single waist dart as shown in diagram II, draw 2 smaller darts (below the pleat lines), equaling the single waist dart; then slash along the pleat lines and spread, closing up the waist darts as shown in diagram IV.

For sleeveless bodice, reduce  $1\frac{1}{2}$ " at top of side seam and raise armhole  $\frac{3}{4}$ " as indicated. To complete the pattern, add seams.

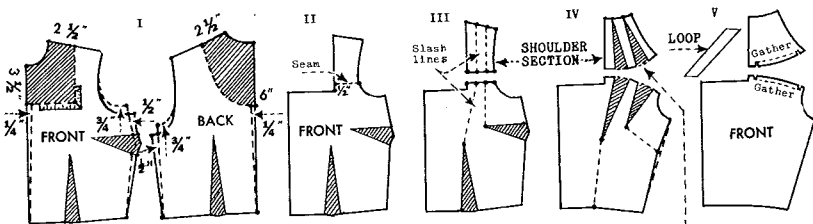
Diagrams show the entire front, and how the pleats overlap at center front.



STYLE 7

- Featuring -

Bodice for Sleeveless Dress -  
Gathered Shoulder Section.



DRAFT OF DRESS BODICE (Style 7)

I  
Using the Dress Foundation as in Style 1, trace Front and Back to waistline only; then lower the neckline as shown by dotted lines.

For sleeveless dress bodice, reduce 1/2" at top of side seam to nothing at waistline; then raise armhole 3/4" as shown by dotted lines.

To keep bodice from standing away at lower part of neckline, reduce 1/4" at center front and back neckline to nothing at waistline.

II

Draw seam line across front, 1/2" above square neckline.

III  
Separate front and shoulder section at seam; then draw slash lines as follows:  
First divide seam lines into 3 equal parts; then draw slash lines as shown by dotted lines.

IV and V

To allow for gathers in front, slash and spread, closing up, the darts; then slash shoulder section and spread to equal the lower spreads.  
Cut a bias strip 6" x 1-1/4" for loop to cover the gathered seam.

To complete the pattern, add seams and make corresponding notches.

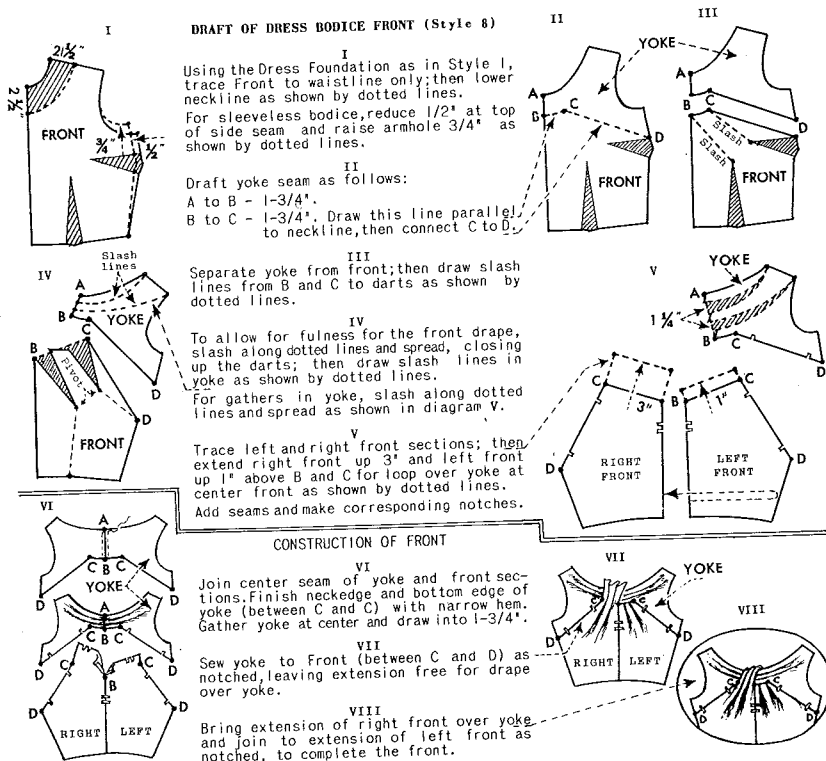


STYLE 8

- Featuring -

Bodice Front for Sleeveless Dress -  
Front draped over the gathered Yoke at center -

To draft Bodice Back, see directions for Style 7.



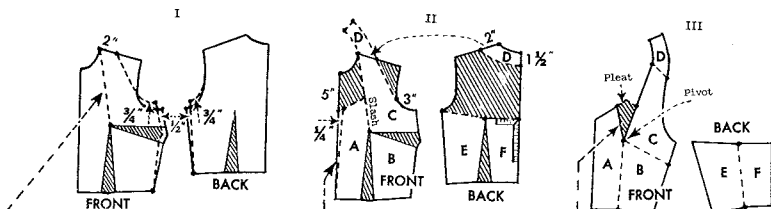
## HALTER AND SUN-BACK DRESS BODICES (4 Styles)



## STYLE 1

- Featuring -

Halter Dress Bodice -  
Low V-neck Front -  
Sun-Back Bodice -  
Front and Halter in one -  
Bust-fitting pleats.



## DRAFT OF HALTER PATTERN (Style 1)

Using the Hip-Length Dress Foundation as shown in the Supplementary Revised Edition of the Junior's, Misses and Women's sizes, draft pattern as follows:

I Trace Front and Back to waistline only; then for the Sleeveless Bodice, reduce 1/2" at upper part of each side seam, and raise armhole 3/4" as shown by dotted lines (a sleeveless dress is usually about 2" closer fitting around bust).  
II Draw lines for Halter Front as indicated.

## II and III

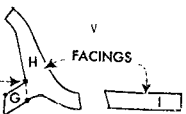
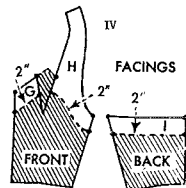
Draw a diagonal line for V-neck; then reduce neckline 1/4" to nothing at waistline as shown (this will keep bodice from standing away at lower part of neck). Mark sections A-B-C.

For Sun-Back pattern, draw line as indicated, and mark sections E-F; then draft Back Neckband (section D), and apply to Front, matching shoulders. Slash Front along Halter line to breast point; then close up the darts in Front and Back as shown in diagram III. (The spread above breast point, forms the featured bust-fitting pleats in front).

## IV and V

Draft Facing for Halter Front and Back, eliminating the pleat in Front as shown in diagram V. Mark sections G-H-I.

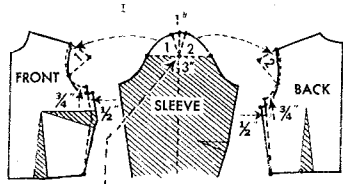
Allow seams on all sewing edges for Halter and Facings to complete the pattern.



## STYLE 2

- Featuring -

Off-The-Shoulder Bodice -  
Low V-neck in Front and Back -  
Bust-fitting pleats -



## DRAFT OF "OFF-THE-SHOULDER" BODICE (Style 2)

I Using the Dress Foundation, trace Front and Back to waistline only; then reduce at upper side seam, and raise armhole as described for Style 1.

For "Off-The-Shoulder" bodice, trace Dress Sleeve Foundation as shown; then divide in half, and reduce 1" at top of sleeve, to nothing 3" below as shown by dotted lines. Square across at the 3" point and mark sections 1 and 2; then apply to top of armhole of Front and Back as indicated.

## II and III

Draft V-neck in Front and Back, having the band, 2-1/2" wide over the shoulder, as shown by dotted lines; then draw a line parallel to the V-neck line from front armhole to a point directly above breast point and connect the two points as shown. Mark sections A-B-C.

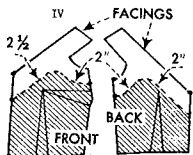
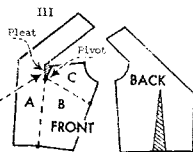
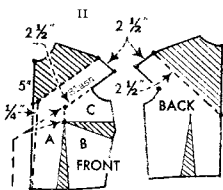
Reduce neckline 1/4" in Front as described in Style 1, diagram II.

## IV

Draft Facings for neck and armhole as indicated, but using the Front outline of diagram II for drafting the Front Facing.

Slash from armhole to breast point along dotted lines; then close up the side and waist darts as shown in diagram III (the spread above breast point forms the featured bust-fitting pleats).

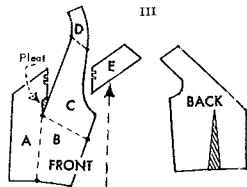
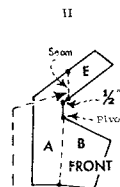
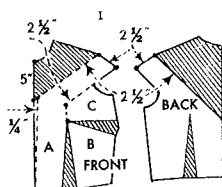
To complete the pattern, allow seams on all sewing edges.



## STYLE 3

## - Featuring -

Halter and Off-The-Shoulder Bodice -  
(Combining Styles 1 and 2)  
"Off-The-Shoulder" band must be  
placed underneath the Halter, see  
construction diagram below.



## DRAFT OF HALTER PATTERN (Style 3)

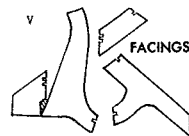
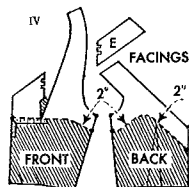
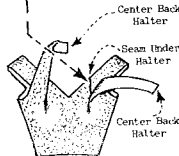
I  
Draft Front and Back according to direction given in Style 2 for "Off-The-Shoulder" bodice, diagrams I and II.

II  
Close up the Front waist dart and eliminate section C as indicated; then draw a seam line parallel to center front as shown by dotted line. Mark section E. Separate sections A and E along seam line as shown in diagram III. The purpose of the seam is for piecing sections A and E underneath the Halter.

III  
To complete the Halter part of the Front pattern, draft sections C and D according to directions given in Style 1 for "Halter Pattern", diagrams I and II; then apply sections C-D to Front as indicated. The V-spread above the breast point, forms the featured bust-fitting pleats.

IV and V  
Draft Facings for Halter neck and armhole as shown.

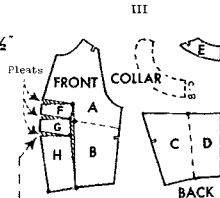
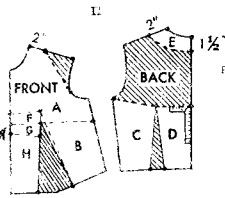
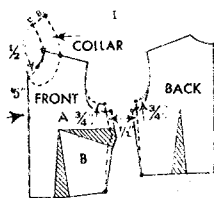
Allow for seams on all sewing edges and make corresponding notches.



## STYLE 4

## - Featuring -

Halter Dress Bodice with Collar -  
5" neck opening at center front -  
Sun-Back Dress Bodice -  
Bust-fitting pleats.



## DRAFT OF HALTER WITH COLLAR (Style 4)

I  
Using the Dress Foundation, trace Front and Back to waistline only; then reduce at upper side seam, and raise armhole as described for Style 1. Mark sections A-B; then pivoting at breast point, close up side dart as shown in diagram II.

Lower the neckline 1/2" at center front; then draft "Flat-Fitting Collar" pattern according to the directions given in the book "Pattern Drafting & Grading" on page 49, but make collar only 2" wide.

II and III  
Draw line from Shoulder to armhole in Front, and for "Sun-Back" pattern draw line as shown by dotted lines. Mark sections C-D.

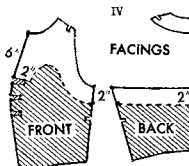
Draft Back Neckband pattern as shown (section E) for back of Halter.

Draw the 3 pleat lines, 1" apart at center front and 1-1/2" apart at the waist dart. Mark sections F-G-H; then slash along the pleat lines and close up the waist dart in Front and Back as shown in diagram III.

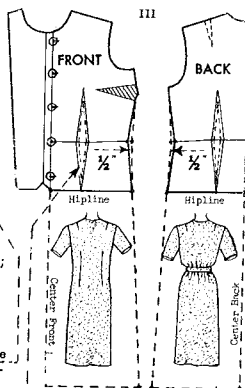
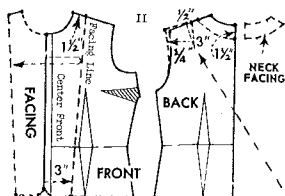
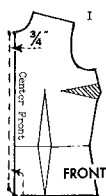
## IV and V

Draft Facing for Halter Front and Back as shown by dotted lines.

Add seams and make corresponding notches.



## CHEMISE DRESS and SLIP



## DRAFT OF CHEMISE DRESS PATTERN

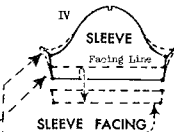
I  
Using the Hip-Length Dress Foundation, trace Front and darts as indicated; then for front closing, add 3/4" to center front as shown.

II  
Draft Front Facing as indicated; then trace Facing and Front in one. Trace Back Hip-Length Dress Foundation and waistline dart. Instead of the 1/4" ease on the back shoulder seam, make dart 1/2" wide and 3" long at center of shoulder seam; then add 1/4" to shoulder at armhole as shown by dotted lines. Draft back neck facing, 1-1/2" wide.

III  
Add 1/2" to side seam of Front and Back at waistline; then for slight-fitted waistline, reduce waist darts 3/4" in width at waistline, and 2" in length as shown by dotted lines.

For Loose-Fitting Chemise at waistline, eliminate the waist darts entirely. Draft dress the required length. Width at lower edge of Front, equals the Front width at hipline, plus 1". The same applies to the Back.

IV  
Using the Dress Sleeve Foundation, trace Sleeve 3" long at underarm seam; then draft Sleeve Facing 1-1/2" wide for lower edge of Sleeve. (For greater arm ease - when raising the arm - lengthen top of underarm seams of Sleeve according to directions given for Trapeze dress Sleeve, diagram III).



To complete the pattern, add seams on all sewing edges.

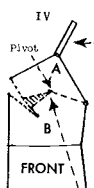
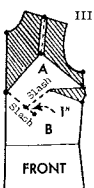
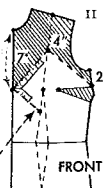
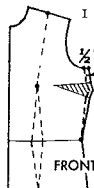
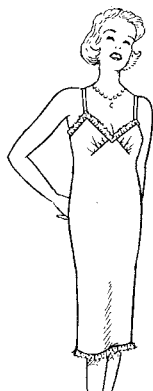
## CHEMISE DRESS

## - Featuring -

Slightly-fitted or loose-fitting waistline -

May be worn with or without belt -

One-piece Short Sleeve Dress sweep about 44".



## DRAFT OF CHEMISE SLIP PATTERN

I  
Using the Hip-Length Dress Foundation, trace Front and the darts as shown; then reduce 1/2" at top of side seam.

II  
Draft upper edge of Slip by drawing diagonal lines as indicated; then for slash-gathered seam line, draw diagonal line from center front to waist dart.

Draft shoulder strap 1/2" wide as shown.

## III and IV

For gathers, draw slash line from diagonal seam line to point of side dart. Mark sections A-B; then slash and spread, closing up the side dart as shown in diagram IV.

For shoulder strap position, draw line from center of shoulder to breast point.

Complete the pattern by adding seams and a hem at lower edge.

## CHEMISE SLIP

## - Featuring -

Slash-gathers below bust -

Bra-fitting Front -

Loose-fitting waistline.

Trim upper and lower edge of Slip with lace edging.

V  
Trace Back Hip-Length Dress Foundation, and reduce 1/2" at top of side seam to nothing at waistline. Draft upper edge of Slip as shown; then, for shoulder strap position, draw line from center of shoulder to the waist dart.  
Draft shoulder strap 1/2" wide; then combine front and back strap in one.  
Draft Slip the required length. Width at lower edge of Front, equals the Front width at hipline, plus 1". The same applies to the Back. For Chemise wear, eliminate the waist darts.



DRAFT OF TRAPEZE DRESS PATTERN

**I**  
Using the Dress Foundation, trace Front and Back to waistline only.

Lower the neckline  $1/2''$  at center front; then draft "Flat-Fitting Collar" pattern according to direction given in the book "Pattern Drafting & Grading", page 49.

Using the Dress Sleeve Foundation, trace Sleeve  $3''$  long at underarm seam; then draft Sleeve Facing,  $1-1/2''$  wide for lower edge as shown.

For 2-piece Sleeve, divide Sleeve in half and reduce  $1''$  at top, to nothing,  $3''$  below as shown.

**II**  
For narrow shoulder effect, draw lines on Front and Back, from shoulder to armhole as indicated. Mark sections 1 and 2; then apply to Sleeve as shown in Diagram II.

Draft Facing for front neck opening as shown by dotted lines.

**III**  
For greater arm ease (when raising the arm), lengthen underarm seams of Sleeve at top, as follows:

Draw diagonal line,  $1-1/2''$  long as shown; then raise underarm seam as shown by dotted lines.

**IV**  
For panel effect in Front, draw slash lines from center of neck to waistline (through breast point), having the panel,  $1/2''$  wider at waistline than at breast point. Mark sections A-B-C.

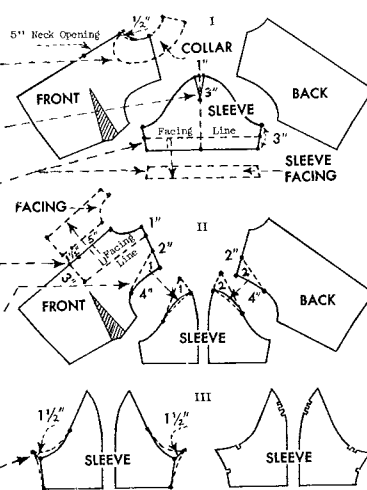
**V and VI**  
Slash from neck and waistline to breast point; then close up the side dart, making the space at waistline,  $1''$  wide.

Draw slash line from waistline to center of armhole as indicated. Mark section D; then slash and spread  $3-1/2''$  at waistline as shown in diagram VI. (This will give the correct Trapeze sweep at lower edge).

**VII**  
Draft Front the required dress length, making the lower curved line, parallel to the waistline as shown by dotted lines.

For a correct grain-of-goods at side section of the Front, draw slash line from breast point to lower edge (through center of the  $1''$  space at waistline); then slash from breast point to lower edge and spread  $3''$  at breast point as shown in diagram VIII.

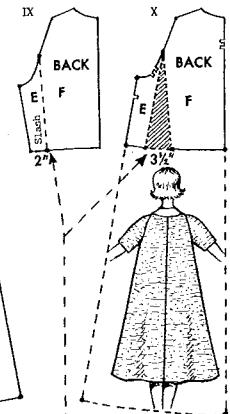
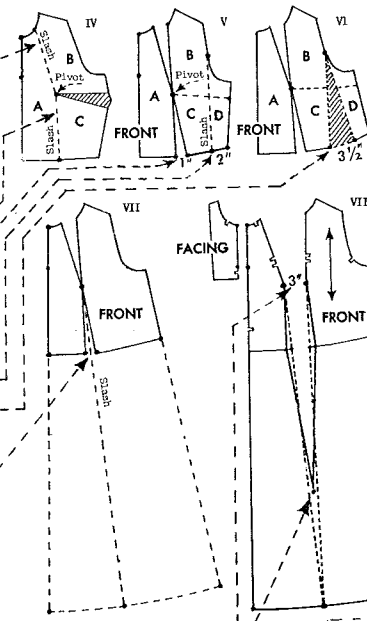
**VIII**  
To complete the dart, draw V-shaped lines to a point,  $16''$  below the waistline.



TRAPEZE DRESS

- Featuring -

- Flat-Fitting Collar with  $5''$  neck opening in front -
- Shoulders,  $2''$  narrower, and 2-piece Sleeve with extended cap -
- Front waistline slightly fitted -
- Dress sweep, about  $80''$ .



**IX and X**  
Draw slash line from waistline to center of armhole in Back. Mark sections E-F; then slash and spread  $3-1/2''$  at waistline as shown in diagram X. (This will give the correct Trapeze sweep at lower edge).

Draft Back the required dress length, making the lower curved line, parallel to the waistline as shown by dotted lines.

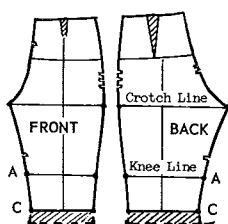
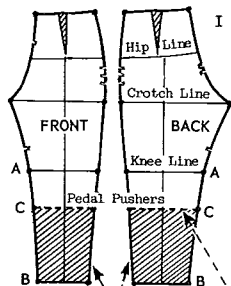
Add seams and make corresponding notches.



## II - Pedal Pushers

## PEDAL PUSHERS

- Featuring -

Fitted waistline with soft  
pleats in front and with  
darts in back.

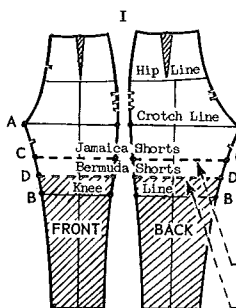
1" Hem

## HOW TO DRAFT "PEDAL PUSHERS" PATTERN

I  
Using the "Slim Pants Foundation" as a guide, trace Front and Back as indicated; then for "Pedal Pushers" length, locate lower edge line by making the distance between A and C equal  $1/3$  of A to B.

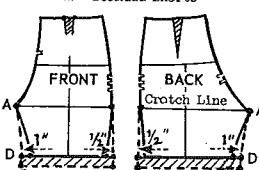
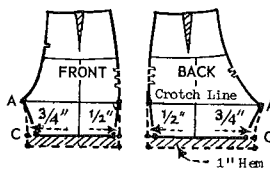
II  
Add 1" hem to lower edge; then complete the pattern by adding seams.

"Slim Pants Foundation" as shown in "Pattern Drafting & Grading" book, page 62, diagram III.



## II - Jamaica Shorts

## III - Bermuda Shorts



For "Jamaica Shorts", locate lower edge line by having the distance from A to C equal half of A to B, and for "Bermuda Shorts", locate lower line by having the distance from A to D equal  $3/4$  of A to B as shown by dotted lines.

## HOW TO DRAFT "JAMAICA SHORTS" OR "BERMUDA SHORTS" PATTERN

I  
Using the "Slim Pants Foundation" as a guide, trace Front and Back as indicated; then draft the "Jamaica" or "Bermuda Shorts" pattern as follows:

II and III  
Increase width of leg of Front and Back as indicated; then add 1" hem as shown by dotted lines.

To complete pattern, add seams and make corresponding notches.

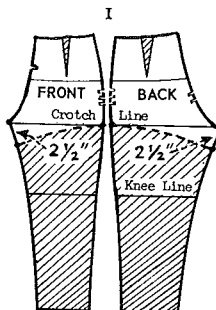
"JAMAICAS"

"BERMUDA SHORTS"

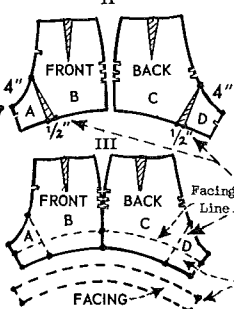
"JAMAICAS" or "BERMUDAS"

- Featuring -

Fitted waistline with pleats or darts in front, and with darts in back -



## II



## SHORT-SHORTS

- Featuring -

Fitted waistline with darts in front and back.

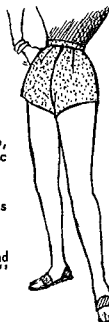
## HOW TO DRAFT "SHORT-SHORTS" PATTERN

I  
Using the "Slim Pants Foundation" as a guide, draft length of "Short-Shorts" by drawing the arc line as shown by dotted lines.

II  
For closer-fit around leg, reduce lower edge 1" as shown in diagrams II and III.

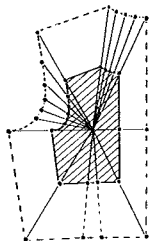
III  
For Facing at lower edge, first place Front and Back together at lower side seams; then draft  $1-1/2$ " wide Facing as shown by dotted lines.

To complete pattern, add seams.

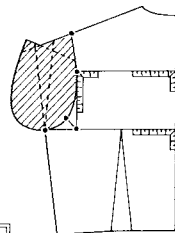
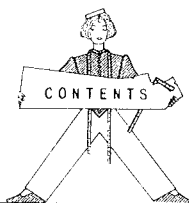


# PATTERN DRAFTING AND GRADING

## SUPPLEMENTARY SECTION - PART 2



How to scale the DRESS FOUNDATION - Page XIV.

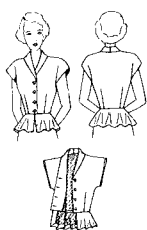


How to use the "NECK AND ARMHOLE GUIDE" - Page XV.

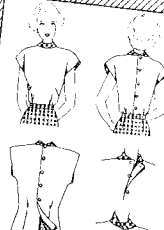
Page	Page
JACKET AND SLEEVE IN ONE.....II	BLOUSE WITH SHAWL COLLAR.....X
JUMPER DRAFT.....III	BLOUSE (Turtle Neck Collar)...XI
DRESS WITH GORED SKIRT.....IV	SKIRT (Semi-circular).....XII
CAMISOLE & PETTICOAT DRAFTS...V	SKIRT WITH FRONT INSET.....XIII
COAT (Flared back) Style 1.....VI	HOW TO SCALE THE FOUNDATION...XIV
COAT (Flared back) Style 2.....VII	HOW TO USE THE ARMHOLE GUIDE...XV
BLOUSE WITH SHIRTWAIST COLLAR...VIII	REFERENCE PAGE FOR MAKING
BLOUSE GRADING.....IX	JACKET OR COAT FOUNDATION } XVI



Coat with convertible collar and 2 styles of flared back -- Pages VI and VII.



Blouse with shawl collar and peplum - Page X.



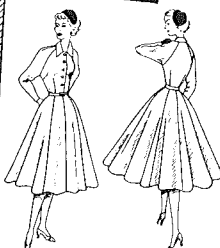
Blouse, dropped shoulder style, with turtle neck collar - Page XI.



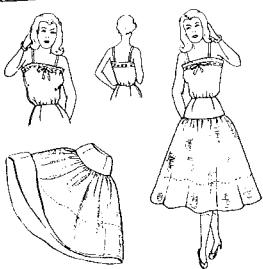
Blouse with shirt waist collar and grading -- Pages VIII and IX.



Dress jacket and sleeve in one - Page II.



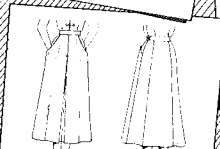
Dress with raglan sleeve (slightly deeper armhole) and 8 gored skirt - Page IV.



Camisole and crinoline Petticoat with deep lower edge facing. Page V.



Semi-circular skirt - Page XII.

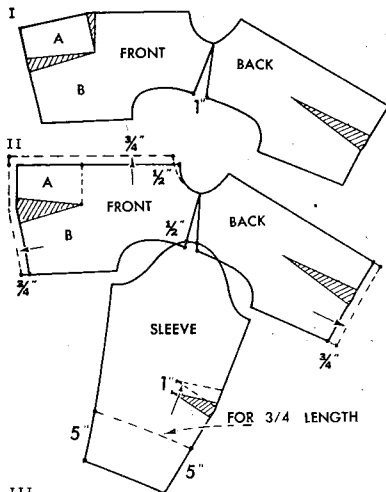


Skirt with inverted pleat in front - Page XIII.



Jumper dress with inserted pockets in skirt - Page III.

## HOW TO DRAFT THE JACKET PATTERN



Using the dress foundation to waistline only, trace front and back as indicated, having the shoulder touching at neckline, and spreading shoulder edges  $1''$  at armhole. Slash waist dart between A and B; then close up front dart as shown in diagram II.

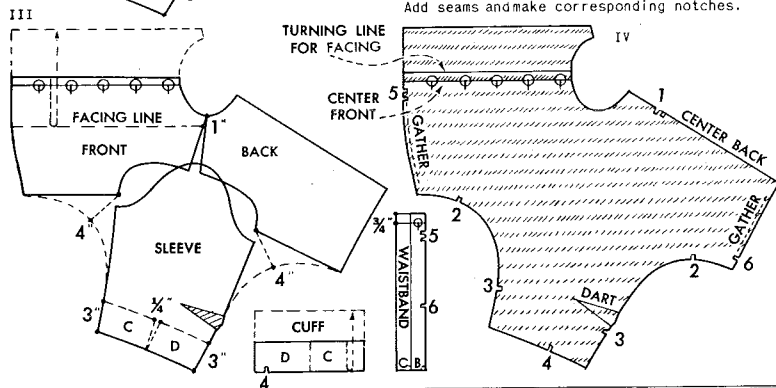
Lower neckline  $\frac{1}{4}''$  at center front, add  $3/4''$  to center front for closing overlap; add  $3/4''$  for blousing allowance in front and back. Place sleeve foundation with cap overlapping front armhole  $\frac{1}{2}''$  at shoulder, having each side of lower part of cap at equal distance from armhole and side seam. Shorten sleeve  $5''$ . Raise elbow dart  $1''$ .

For dolman sleeve, draw diagonal guide line  $4''$  long at each side; then draw curved underarm lines from waistline to sleeve. Draft  $3''$  wide cuff for lower edge of sleeve; then trace for double material cuff.

Draft front facing  $1''$  wide at shoulder having facing line parallel to center front; then trace facing and front in one section.

For waistband, make a double band  $1\frac{1}{2}''$  wide finished and the length of half of the waist measure, plus  $\frac{1}{4}''$  extension for center front closing.

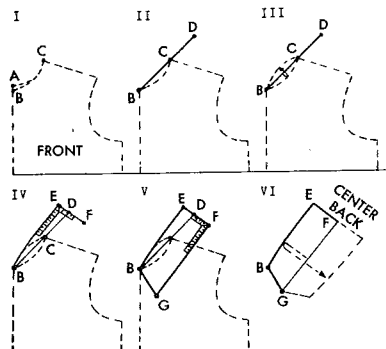
Add seams and make corresponding notches.



This style features striped fabric with the stripes running straight at center front and bias in back. Jacket blouses slightly at waistline which permits free arm movement.

Sleeve is  $3/4$  push up length, and features a deep (dolman) underarm.

## HOW TO DRAFT THE COLLAR



Trace front; then draft collar as follows:  
A to B -  $1/2''$  for lower neckline.

B to C - Draw straight line.  
B to D - Equals neck measure from center front to center back (about  $7\frac{1}{2}''$  for size 16).

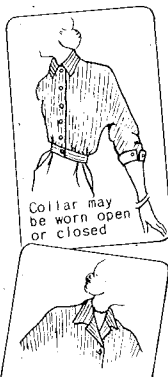
Trace curved line between B and C to opposite side of the straight line.

D to E - Square a line from D to E  $1\frac{1}{4}''$  long. This equals the collar stand at center back of collar.

For neck edge, square a line down from E to the curved line.  
D to F - Equals D to E, plus  $3/8''$ .

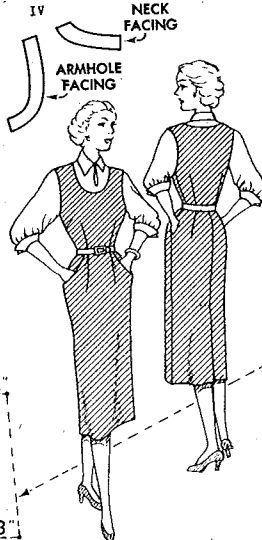
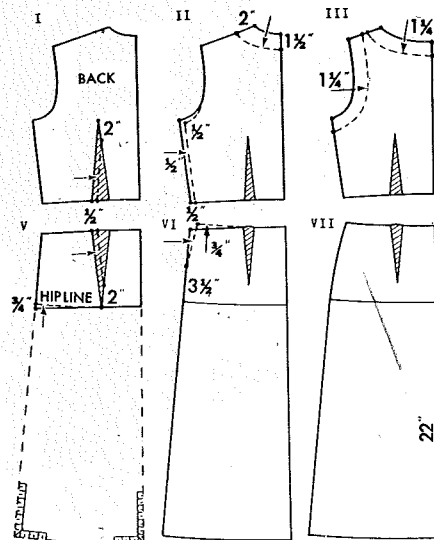
F to G - Square a line down from line E - F to G, having point G about  $1\frac{1}{2}''$  from center front; then connect B to G.

Trace collar section for double material collar. Allow for seams.



A JUMPER is a sleeveless dress and may be worn over a blouse or sweater. The neckline is usually cut low in front, back and over the shoulders. The armholes are also cut a little deeper. Because the bodice is sleeveless, it is made closer fitting at underarm seams.

THIS STYLE features side and waist darts in front of bodice; waist darts in back. Skirt has inserted pockets in front. Also a soft pleat near each pocket opening for needed fullness over the pockets. There is a kick pleat, 22" in length, at center back of skirt.



# DRAFT OF BODICE BACK

I  
Using the hip length dress foundation, trace back to waistline only; then reduce width and length of dart as indicated.

II  
Deepen the armhole 1/2"; then reduce width of back 1/2" at side seam. Lower the neckline 1-1/2" at center back and 2" at shoulder seam.

III and IV  
Draft facings 1-1/4" wide for neck and armhole; then trace as shown in diagram IV.

## DRAFT OF SKIRT BACK

V  
Trace back hip section; then reduce width and length of dart. Curve hip line up 1/2" toward side; then continue straight lines down at side and center back to required length. Make lower curved line parallel to hip line.

VI  
Reduce 1/2" at side edge and raise waistline 3/4" at side edge to round the side seam over hip.

VII  
Add 22" length kick pleat at center back, as shown by dotted lines.

## DRAFT OF BODICE FRONT

I  
Trace front to waistline only. Make waistline dart 1/2" wider. Lower the armhole 1/2". Reduce width 1/2" at top of side seam.

II  
For side dart, draw line from side seam to a point 2" diagonally above breast point. Slash and spread, making center front line straight as shown in diagram III.

III  
Lower the neckline as indicated.

IV and V  
Draft neck and armhole facing 1-1/4" wide; then trace.

## DRAFT OF SKIRT FRONT

VI  
Trace front hip section; then curve hip line up 1/2" toward side. Draft outline of skirt below hip as described for skirt back.

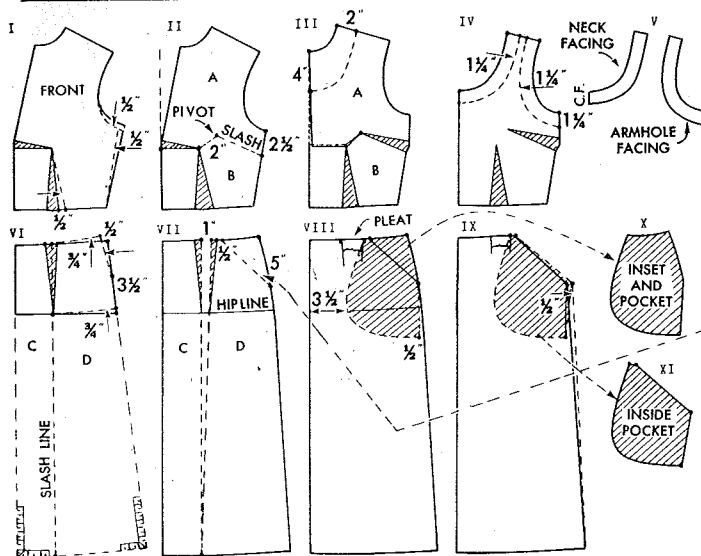
Reduce 1/2" at side edge and raise waistline 3/4" same as back draft. For a 2" waistline pleat, slash through dart to bottom, and spread 1" at top as shown in diagram VII. This provides for a soft pleat (1" deep) near pocket opening.

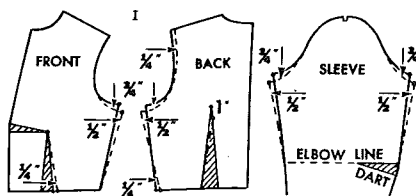
VII  
Draw a diagonal pocket opening line as indicated.

VIII  
Draft outline of pocket as shown by dotted lines. Trace shaded part for "Inset and Pocket" as shown in diagram X.

IX  
For pucker in pocket opening, make skirt 1/2" wider at upper part of side seam to nothing at bottom. Make inside pocket correspondingly wider at opening as shown by dotted lines.

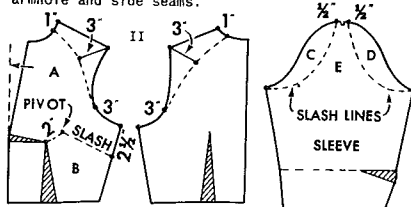
Trace shaded part of "Inside Pocket" as shown in Diagram XI. Add hem at bottom of skirt; then add seams on all sewing edges.





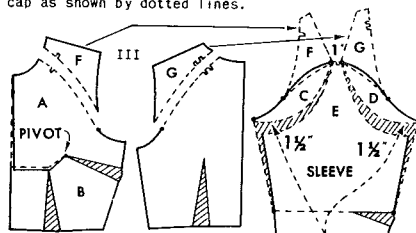
Trace front and back dress foundation to waistline only; then adjust armhole, side seams and waist darts as shown by dotted lines.

Adjust each side of the dress sleeve foundation to correspond with the adjustment of the bodice armhole and side seams.

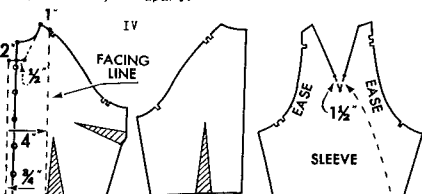


II Draft raglan armhole seam lines, slightly curved. For side dart, draw slash line; then slash and spread as described for the "Jumper Dress".

Draw curved slash lines on each side of sleeve cap as shown by dotted lines.



III Slash each side of sleeve and spread 1-1/2" at underarm. (The spread at underarm must always equal twice the amount the armhole was lowered); then connect at each side to elbow line. Trace raglan sections F and G; then apply them to top of sleeve cap C and D, 1" apart.



Continue shoulder dart lines 1-1/2" to a point as shown by dotted lines on sleeve.

Lower the neck 2" at center front. Add 1/2" to center front for front closing overlap.

Draft front facing 4" wide as shown by dotted lines.

Add seams and make corresponding notches.

For roll-collar draft, see method on page 49.



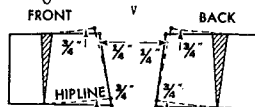
This style features: Side and waist darts in bodice—slightly deepened armhole—shoulder dart in sleeve.

The 8 gored skirt has a sweep of over 3 yards, and extra ease allowance around hip.

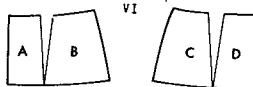
For "Bouffant" wear, skirt has enough fullness around hip and sweep at lower edge to be worn over a stiffened crinoline petticoat.

#### HOW TO DRAFT SKIRT

V Trace hip sections of the dress foundation; then curve hip and waistlines up 1/2" toward the side, and reduce waistline 1/4" at each side seam as shown by dotted lines.

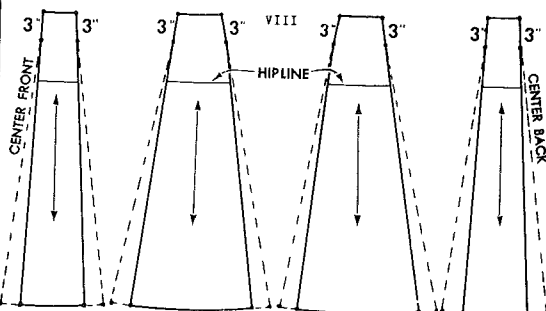
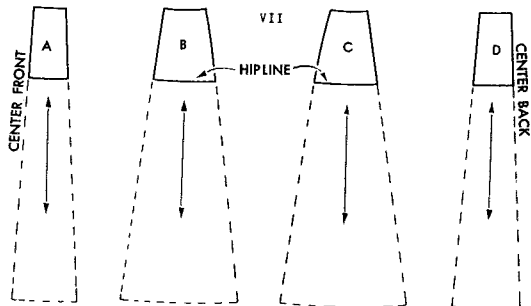


VI Divide hip sections into 4 parts by cutting along dart lines. Mark sections A to D.



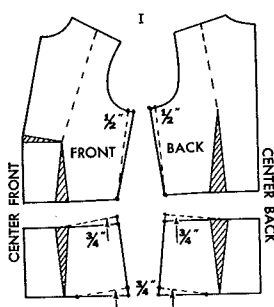
VII Continue straight lines down below hip sections to required length; then curve bottom lines parallel to hip line.

VIII For additional sweep, add about 2-1/2" at bottom of each seam, to nothing, 3" below waistline.



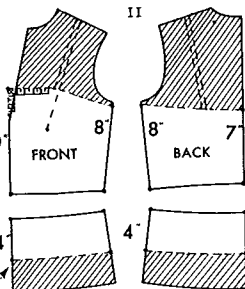


A camisole is usually worn under a sheer blouse or dress. This style has elastic around waistline.

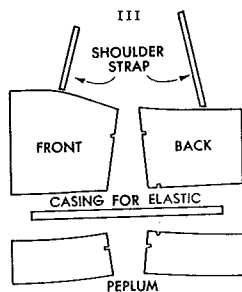


### HOW TO DRAFT CAMISOLE

**I**  
Using the hip length dress foundation as a guide, trace front and back to waistline only; then reduce width of bodice  $\frac{1}{2}$ " at bustline to nothing at waistline. After tracing the hip sections, raise hip and waistline  $\frac{1}{2}$ " at side to nothing at center of hipline as shown by dotted lines.



**II**  
Draft top of camisole, making length of center front 10", center back 7", and side seams 8" as shown by dotted lines. Draw shoulder strap lines in front and back as indicated. Make peplum front and back 4" long. Eliminate the waist darts in front and back.



**III**  
Make casing for waistline to equal waistline measurement of bodice (center front to center back). Upper edge of camisole is trimmed with embroidered insertion, beading, and drawn in with ribbon tie. Add seams and make corresponding notches.

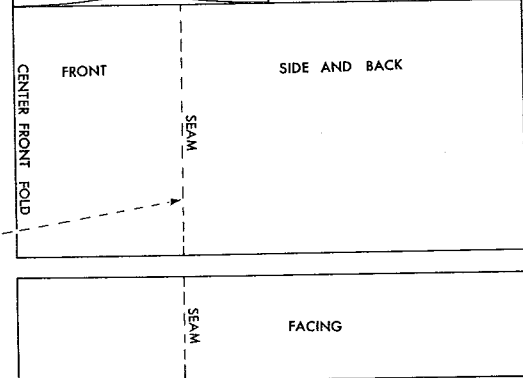
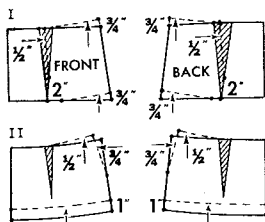
### HOW TO DRAFT PETTICOAT

**I**  
Using the hip sections of the dress foundation as a guide, curve the hip and waist lines up  $\frac{1}{2}$ " toward the side as shown by dotted lines. Reduce the width and length of the waist darts as indicated.

**II**  
Reduce waistline  $\frac{1}{2}$ " at each side seam, and raise waistline  $\frac{1}{2}$ " at sides as shown by dotted lines; then draw the waistline and side seams slightly curved as shown in diagram III. Draw a line 1" above hip line to complete length of petticoat yoke pattern.

**III**  
Draft petticoat required length (about 1" shorter than skirt length) and make width of petticoat at least 2-3 times the width of lower edge of yoke from center front to center back. Divide petticoat into 2 parts, making width of front 1/3, and width of side and back 2/3 of the entire width as indicated.

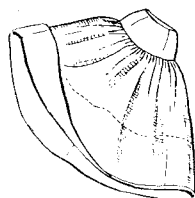
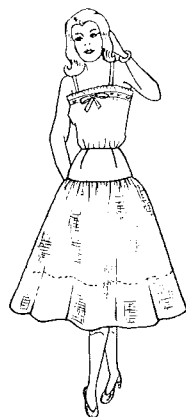
Draft facing for lower edge of petticoat 10" deep. Allow for seams on all sewing edges.



This style features a fitted yoke and a very full petticoat (about 2-1/2 yards sweep).

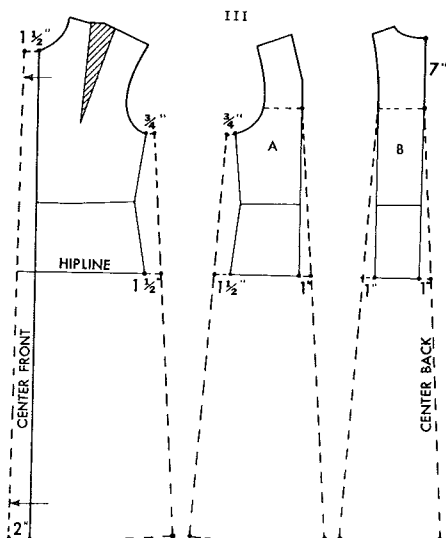
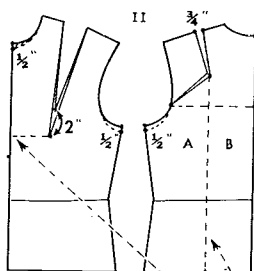
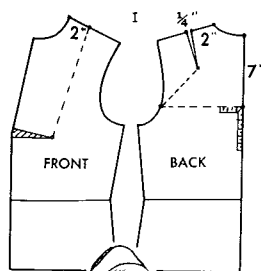
It can be made of taffeta or crinoline for "bouffant" wear.

If made in crinoline, the yoke and a 10" deep hem is made of silk, taffeta, rayons, cottons, etc.



## COAT WITH FLARED BACK - 2 STYLES

(How to draft coat, sleeve and collar - Part I)



Coat features 4-piece flared back, 2-piece sleeve, convertible collar, and patch pocket with flap.

## DRAFT OF COAT (STYLE I)

I  
Using the coat foundation as a guide, mark shoulder dart on front; then slash and spread, forming straight center front line as shown in diagram II.

Change the 1/4" ease at back shoulder, to a spread of 3/4" as shown in diagram II.

II  
Deepen armhole and front of neck, 1/2".

Divide back in 2 parts, drawing a line parallel to center back line, measuring from top of slash to bottom.

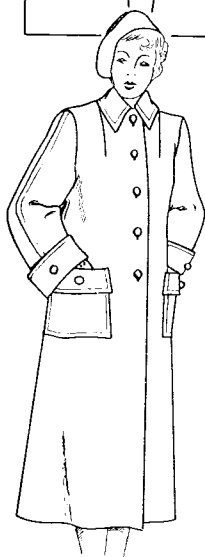
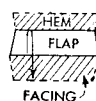
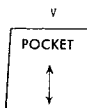
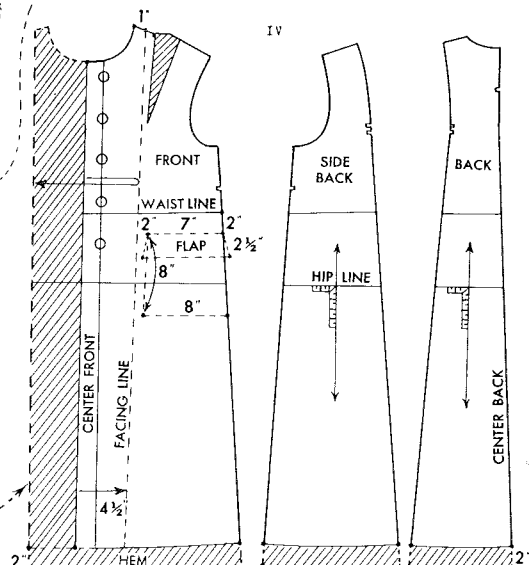
III  
Draft coat the required length, making allowance for the back flare at each seam as shown by dotted lines, starting the flare, 7" from neck.

Add to sides as shown; then add extension beyond center front for button closing. Draw slightly curved lines at bottom.

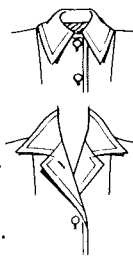
IV, V and VI  
Draft facing as indicated; then trace to make front and facing in one section. Add hem at bottom.

Draft pocket and flap, making flap 1/2" wider at bottom. Make flap and facing in one section; then add 1" wide hem at top.

Add seams on coat, pocket and flap.





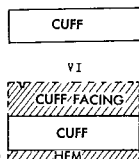


I and II  
A to B - 1/2". Draw lower neck at center front.  
B to C - This equals neck measure to center back (about  
8" for size 16). Draw straight line, B to C.

III  
C to D - 1-3/4". This equals stand at back of collar;  
then connect D to E. (D to E equals C to E).

IV  
D to F - Equals twice the stand plus 1/2". (Total 4").  
Square this line from line D - E.

V and VI  
F to G - Square down from line D - F to shoulder.  
G to H - 5"; then connect from G to H, drawing  
slightly curved lines at neck and outer edge.  
Make upper collar 1/8" wider as shown. Add seams.



I and II  
Using the coat sleeve foundation, take out the elbow dart by making a tuck in back, to nothing in front as shown in diagram II.  
Deepen sleeve cap at sides ( $1\frac{1}{2}$ ). This corresponds with the deeper armhole of the coat.

III  
Make sleeve 3/4" wider at each side as indicated.  
This corresponds with the coat increase at side  
of armhole. Draw sides of sleeve slightly curved.  
Make sleeve 1/4" wider at each side of cap.

Draft cuff 3-1/2" wide to fit lower sleeve.  
Divide sleeve into 2 parts, from shoulder notch to bottom; then draw slash line across cap; 3" from top.

IV  
Separate the 2 sleeve sections; then slash from center to sides and spread 1/2". This provides extra room for shoulder pad.

V and VI  
Make cuff and facing in one section; then add 1"  
hem at bottom. Add seam.



This coat features the 2-piece back with the flares concentrating near center back, below yoke.  
The bias grain of goods at center back will permit the folds of the flares to fall more softly.

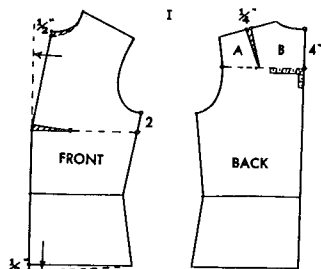
Trace coat back foundation; then deepen armhole and add to side seam same as for style I. Draft yoke as indicated.

For flare allowance, draw slash lines, 2-1/2" apart; then slash and spread as shown in diagram IV.

Add seams on all edges except at center back of yoke.



# BLOUSE WITH SHIRTWAIST COLLAR (How to draft and grade the pattern - Part I)



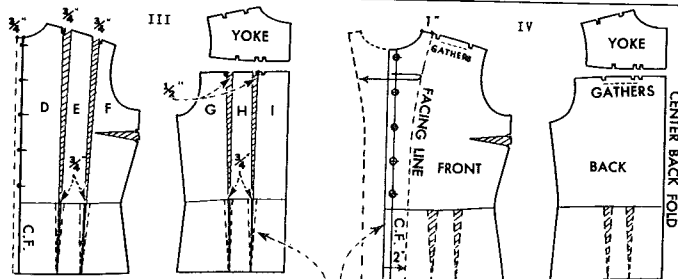
Use the hip length dress foundation as a guide, but omit tracing the waist darts. Lower the front neckline,  $1\frac{1}{2}$ ", and lengthen front  $1\frac{1}{2}$ " at center front, to nothing at side.

Draw side dart line; then slash and spread as shown in diagram II, straightening center front line.

Draft back yoke, 4" deep at center back; then separate the yoke section and close up the  $1\frac{1}{4}$ " dart as shown in diagram II.

For the forward shoulder seam, cut off  $1\frac{1}{2}$ " from the front at shoulder, and join to back yoke at shoulder as indicated.

For shirring allowance, draw slash lines in front and back as shown by dotted lines; then spread as shown in diagram III. Make certain that slash lines are parallel to the center front and back lines, and that they are kept in center of shoulder in front, and in center of yoke in back.

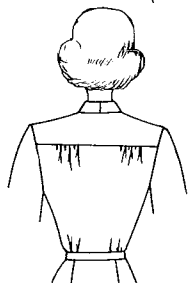


Draw V-shaped darts in front and back from waist to hip as shown by dotted lines. For closing overlap, add  $3\frac{3}{4}$ " to center front.

Mark positions for buttonholes (about  $3\frac{1}{2}$ " apart).

Draft front facing as indicated. The facing may be made as a separate pattern piece; or it can be made in one piece with the front.

Add seams on all sewing edges; then make corresponding notches.

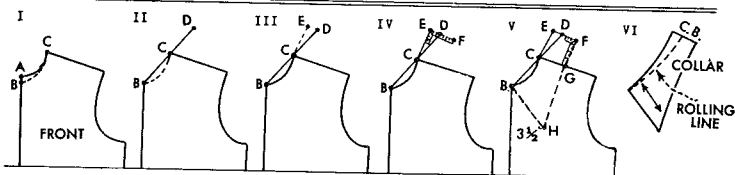


Blouse features  $1\frac{1}{2}$ " forward shoulder seam.

It has shirring in front and back below the yoke, and front is also fitted with side darts. Blouse is hip length.

Shirtwaist collar has  $1\frac{1}{2}$ " stand in back.

French cuff is about  $2\frac{1}{2}$ " wide, finished.



HOW TO DRAFT THE COLLAR

I A to B -  $1\frac{1}{2}$ ". Draw lower neck line.

II B to C - Draw straight line.

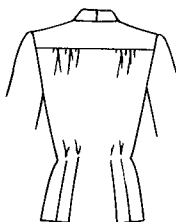
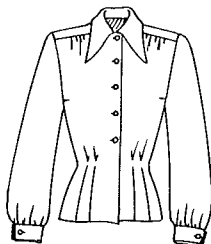
III B to D - Equals neck measure from center front to center back (about  $7\frac{1}{4}$ " for size 16). Continue straight line from C to D.

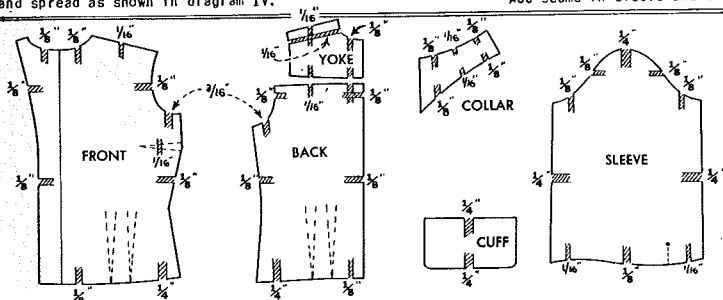
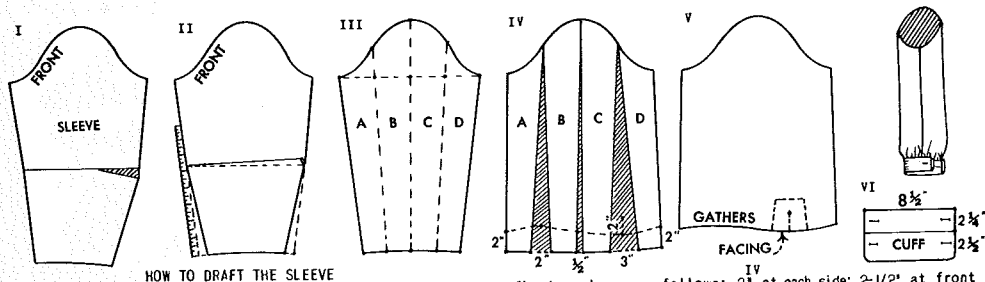
IV D to E -  $1\frac{1}{2}$ ". This equals stand at back of collar; then connect E to C.

V E to F -  $2\frac{1}{2}$ ". This equals E to D plus  $1\frac{1}{2}$ " (total  $2\frac{1}{2}$ "). Square this line from line E - C.

VI F to G - Square this line from line E - F. B to H -  $5\frac{1}{2}$ "; then connect G to H, drawing slightly curved line.

Draw grain line parallel to front edge of collar. Add seams.





#### GRADING SIZE 16 to 18

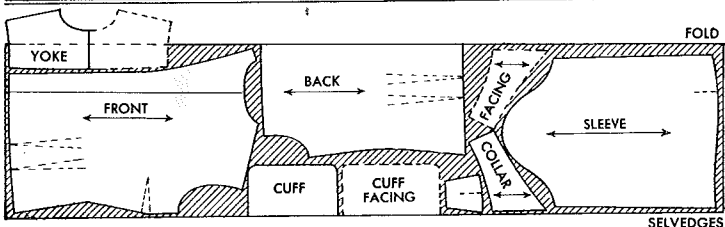
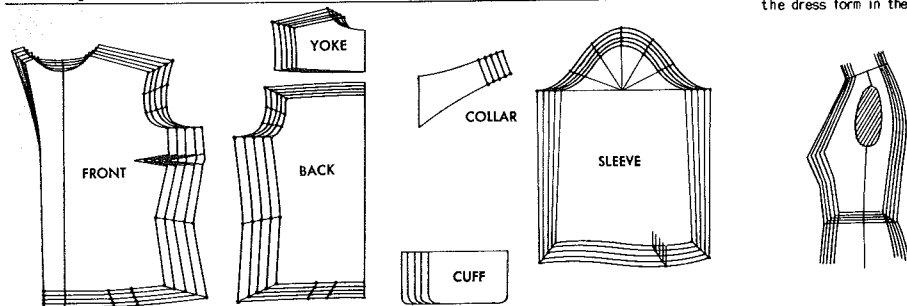
Chart shows where and how much pattern is graded from one size to another.

Use method of grading by shifting pattern, step-by-step, as shown on page 83.

The grade is based on an increase of 1-1/2" around bust instead of 2", which means 3/8" grade from center front to side seam, etc.

#### GRADING CHART

Below is a chart of graded sizes, 12 to 20, showing the 5 graded sizes of the pattern pieces, as well as the dress form in the 5 sizes.

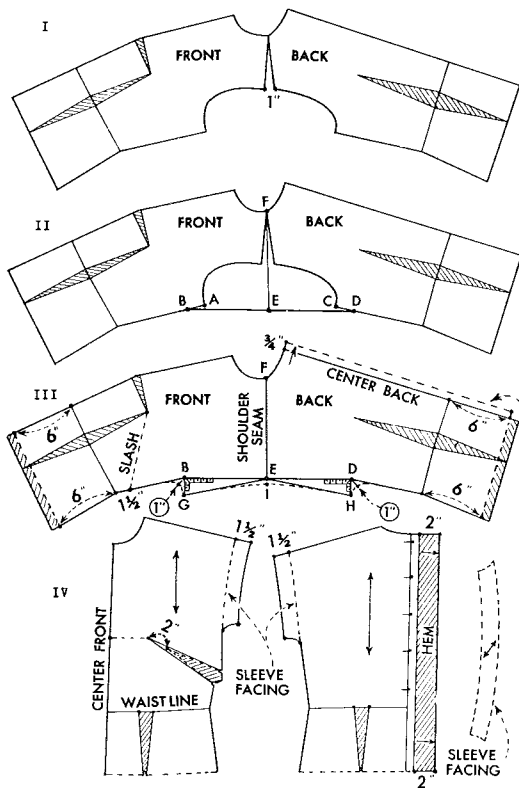


#### CUTTING LAYOUT

Cutting diagram shows how to lay pattern pieces on 35" fabric.

The yoke and cuffs are laid crosswise. The collar sections are laid lengthwise at front edge to avoid stretching.

The facings for collar and cuff are shown in dotted lines.



To draft the dropped shoulder pattern, trace outline of dress foundation with shoulders even at neck line, and 1" apart at armhole.

For the dropped shoulder outline, draft as follows:  
 A to B - 1-1/2",  
 C to D - 1-1/2",  
 B to E - Connect,  
 B to F - Equals half of B to D,  
 E to F - Connect.

B to G - 1-1/2" (square a line down at B).  
 D to H - 1-1/2",  
 G to E - Connect.  
 E to H - Connect.  
 F to I - 1/2",  
 G to H - Draw curved line through I.

Draw curved line at each side of the underarm seam above points G and H as shown by dotted lines.

For length of blouse, draw lower line in front and back 6" below waistline.

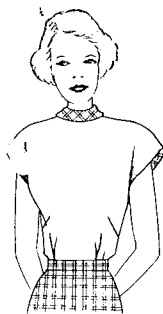
For back closing overlap, add 3/4" to center back.

For diagonal side dart, draw slash line in front, then slash and close up front dart as shown in diagram IV. Draw V-shaped dart 2" away from breast point. The waist darts in front and back are joined below waistline only.

For armhole facing, place shoulders together of front and back and trace outline of armhole, making facing 1-1/2" wide as indicated.

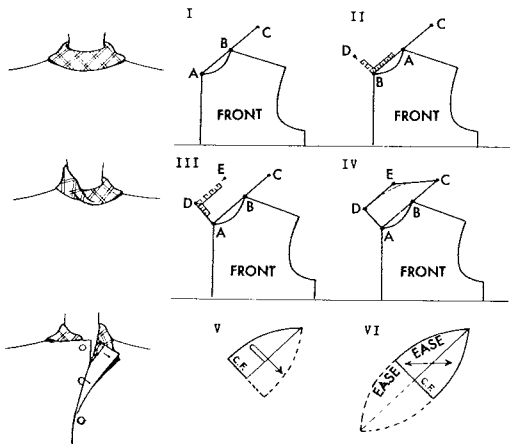
Add 2" hem at back opening; then add seams to complete the pattern.

Mark positions for buttonholes as shown.



Blouse has a back closing, and features diagonal side dart fitting in front.

The turtle neck collar is cut on the bias and has about 1" stand at center front.



#### TURTLE-NECK COLLAR DRAFT

Trace front; then draft collar as follows:

A to B - Draw straight line.  
 A to C - Equals neck measure from center front to center back (about 7" for size 16).

A to D - 2-3/8". This equals 1" for stand plus 1-3/8" for turn back.

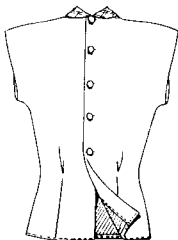
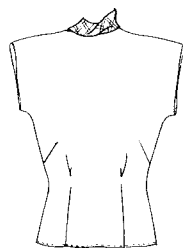
D to E - Equals line A to B.

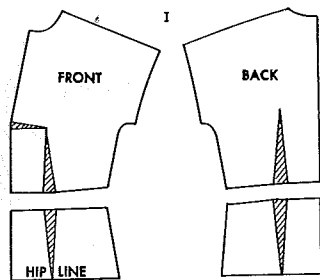
E to C - Connect; then draw curved line at point E.

Trace for double material collar.

Trace for entire collar; then add seams.

Collar has extra allowance for ease at neck edge. This will allow the collar to roll enough to cover neck seam line.





Blouse features dropped shoulders and close-fitting waistline with waist darts in front and back.

Front and collar are in one section.

Use the dropped shoulder foundation and separate the hip sections of front and back.

Close up front dart, spreading waist dart as indicated; then add  $3/4"$  to center front for front closing overlap. Mark positions for buttonholes as shown below on front.

For peplum, make the hip sections  $5"$  long; then divide each section into 3 equal parts and mark them A to F.

For circular peplum, slash the hip sections from lower edge up, and place them against the square as indicated. Draw circular line at bottom.

Add  $1"$  hem at center front and lower circular edge.

#### HOW TO DRAFT SHAWL COLLAR AND FRONT IN ONE

A to B - Equals back of neck ( $3"$  for size 16). Square this line up from shoulder line.

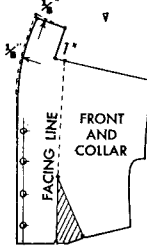
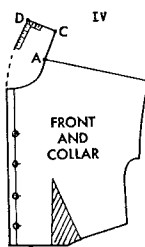
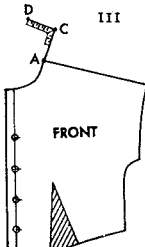
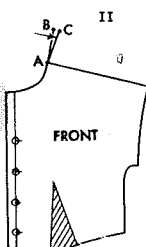
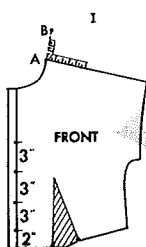
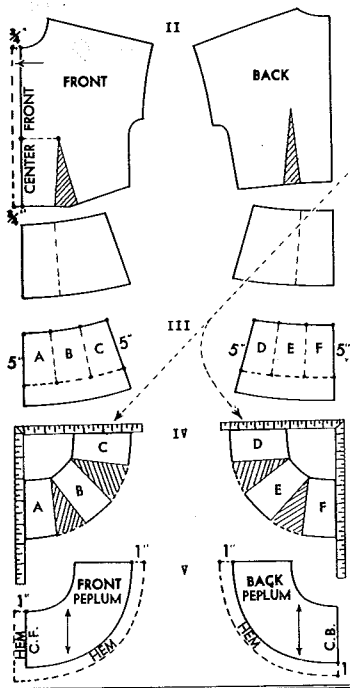
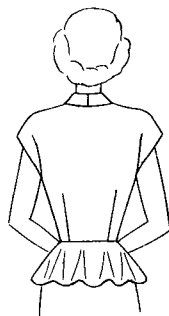
B to C -  $1/4"$ ; then connect C to A.

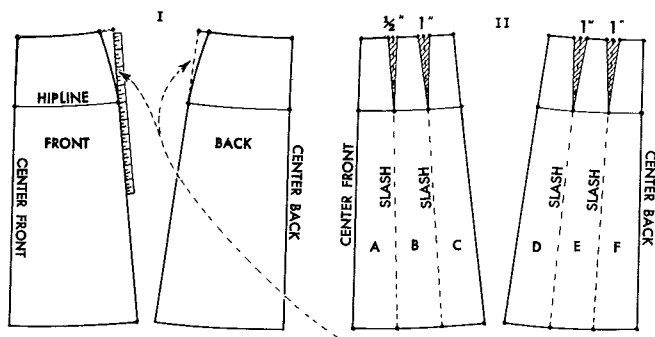
C to D -  $2-3/4"$ . This equals  $1-1/4"$  for stand of collar at center back plus  $1-1/2"$  for turn back. Square this line at point C.

To complete the collar and front in one, draw a squared line from point D, about  $3"$  long and then continue the line slightly curved to edge of front.

Draft facing for front and collar as indicated, making the facing  $1/8"$  wider at collar and lapel, and  $1/8"$  longer at center back as shown by dotted lines.

Add seams on all sewing edges to complete the blouse pattern.

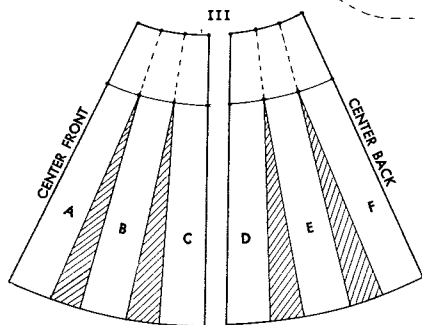




This skirt is cut so that center front and back are on the bias, the right side seam on the lengthwise grain and the left side seam on the crosswise grain.

I  
To draft the skirt, use the plain 2-piece skirt foundation as a guide.

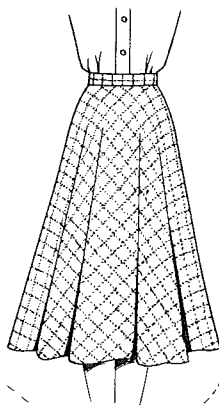
Trace outline of front and back, but continue side seam lines straight to the top as indicated.



II  
Divide each skirt section into 3 equal parts as shown by dotted lines and mark sections A to F; then reduce waistline by drawing V-shaped lines from waist to hip line as indicated.

III  
Reduce waistline in front by slashing from bottom to hip line, and bringing sections A, B and C together above hip line as illustrated.

Repeat process for back of skirt.



IV  
For the semi-circular skirt, make slashes in skirt front from hip to waistline; then spread, placing sections A and C against the 45° triangle for a perfect bias at center front.

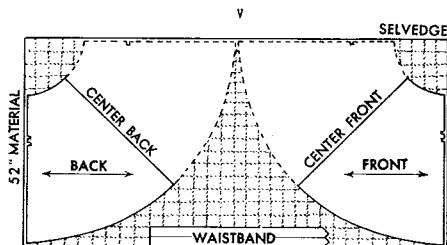
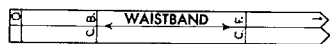
Repeat process for skirt back.

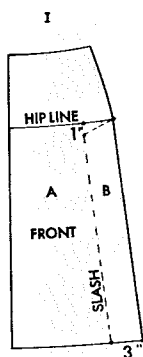
Draw circular lines for bottom of skirt.

For waistband, make a double band 1-1/2" wide finished, and the length of the waist measure, plus 3/4" extension for left side opening.

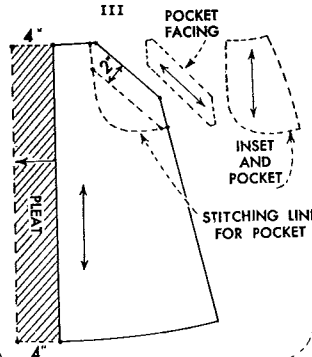
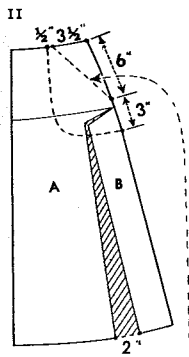
To complete the pattern, add seams on all sewing edges, and add 1" hem at bottom. Make corresponding notches.

V  
Diagram shows cutting layout for skirt. Dotted lines indicate other half of front and back.





FRONT OF SKIRT



DRAFT OF FRONT

I  
Using the skirt front foundation as a guide, draw slash line from bottom to side at hip as indicated, then slash and spread for extra sweep at bottom as shown in diagram II.

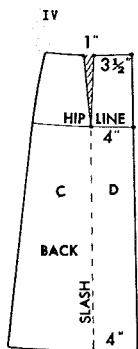
II  
Draw diagonal line for pocket opening as indicated; then draw outline for inset and pocket on front of skirt.

Trace each section separately as shown in diagram III.

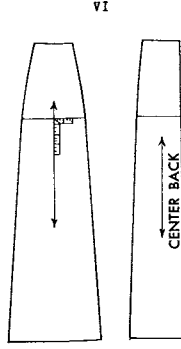
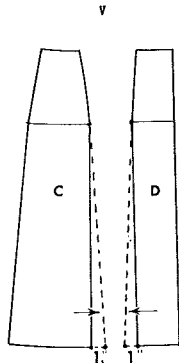
III  
Draft the pocket facing, 2" wide, for pocket opening as indicated.

Add 4" to center front for the inverted pleat.

DRAFT OF BACK



BACK OF SKIRT



IV  
Using the skirt back foundation as a guide, draw slash line from dart to bottom as indicated; then separate each section as shown in diagram V.

V  
For extra sweep at bottom add 1" at bottom to nothing at hip to each section as shown by dotted lines.

VI  
Draw the grain line arrow on the side back by squaring a line from hipline.

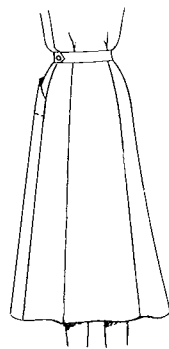
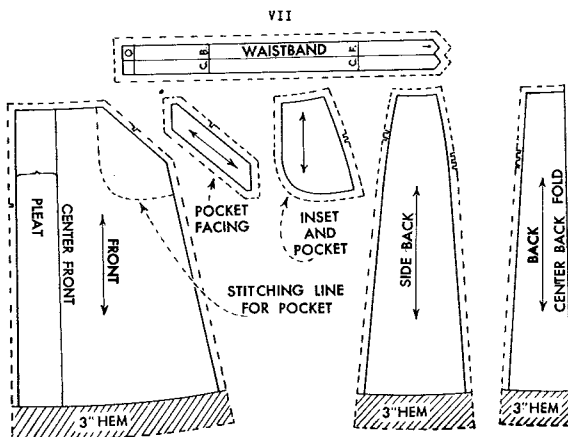
VII  
For waistband, make a double band 1-1/2" wide finished and the length of the waist measure plus 3/4" extension for left side opening.

To complete pattern, add seams and make corresponding notches.

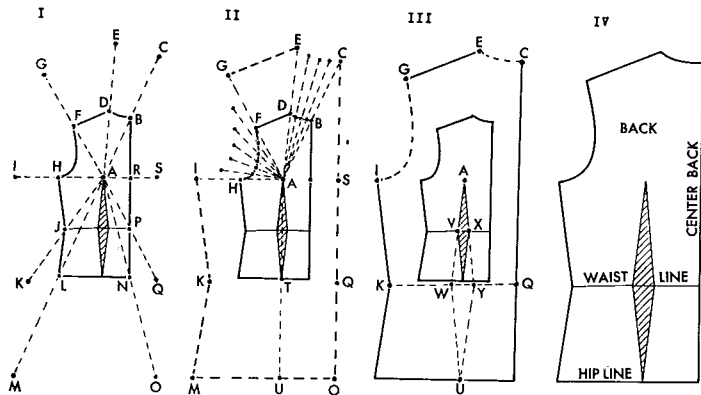
Add hem at bottom.

This skirt features an inverted pleat at center front, with inset and pocket at each side of front.

Back of skirt is in 3 gores.



## HOW TO SCALE THE DRESS FOUNDATION



## BACK

Mark around the dress back foundation; then draw all scale lines, beginning from point A at top of waist dart as follows:  
 A to C - Equals twice A to B.  
 A to E - Equals twice A to D.  
 A to G - Equals twice A to F.  
 Continue to draw all other scale lines, ending with line A to S.

Draw straight lines, connecting C to O to M to K to I, and connecting G to E as shown in diagram II.

## II. NECK AND ARMHOLE

Divide neck line into 4 equal parts and divide armhole into 8 parts. Draw all scale lines from point A through the dividing points, making each line twice the length of line from point A to the dividing point. Draw curved neck line from E to C and armhole line from G to I, connecting all points.

Mark point U on hipline as follows:

A to U - Equals twice A to T.

## III and IV

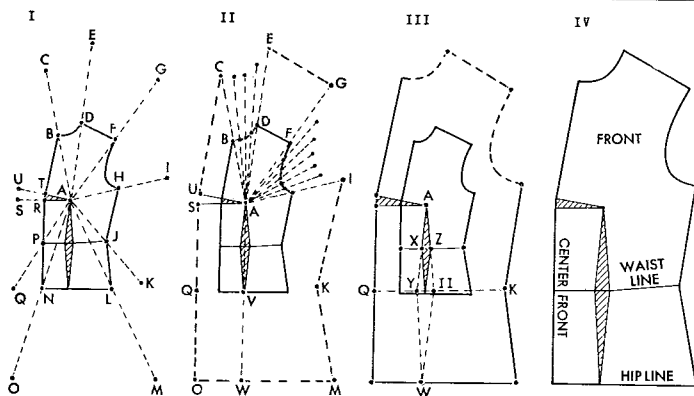
Scale the waist darts as follows:

A to W - Equals twice A to V.

A to Y - Equals twice A to X.

Draw connecting lines from W to U to Y to complete the waist dart.

Connect from K to W to Y to Q for waistline.



## FRONT

Mark around the dress front foundation; draw all scale lines, beginning from point A at top of waist dart, and using same method as for scaling the back foundation.

## SLEEVE

Mark around sleeve; then divide base of cap in half and mark point A in center. Draw all scale lines from point A as follows:

A to C - Equals twice A to B.

A to E - Equals twice A to D.

A to G - Equals twice A to F.

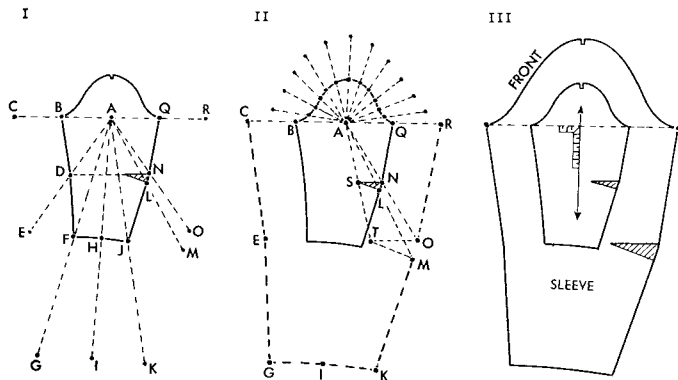
F to H - Equals half of F to J.

Continue to draw all other scale lines ending with line A to R; then draw connecting lines from C to E to G to I to K to M to O to R as shown in diagram II.

## II and III

A to T - Equals twice A to S; then connect O to T to M for elbow dart.

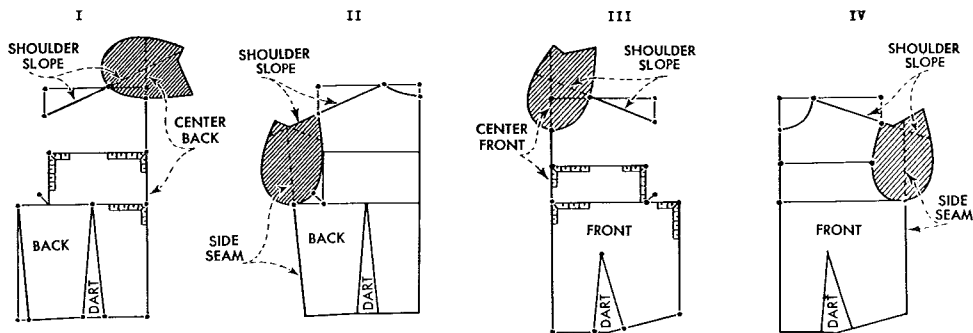
To scale sleeve cap, divide cap outline into 13 equal parts; then draw scale lines from point A through the dividing points as illustrated.



## HOW TO INCREASE THE 1/4 SCALE DRESS FOUNDATION (FRONT, BACK AND SLEEVE) TO FULL SCALE SIZE.

Use same method of scaling as described for the half scale foundation, but making the lines equal 4 times the length instead of twice the length.

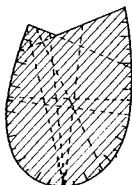




The "neck and armhole guide" was especially devised to aid the student in drawing all curved outlines (neck and armhole) when drafting the fitted front and back in size 16 as shown on page 8. For other sizes, it is necessary to shift "guide" to the desired position while marking the curved lines.

#### I. BACK NECK

After completing all straight lines for back of draft, place "guide" to neck of draft, having the shoulder slope and center back lines even; then mark back of neck from shoulder to center back.



#### II. BACK ARMHOLE

Place "guide" to the armhole of the foundation so that the shoulder and side seam lines are even. Mark armhole.

#### III. FRONT NECK

Place "guide" to the neck of foundation so that center front and shoulder slope lines are even; then mark neck line.

#### IV. FRONT ARMHOLE

Place "guide" to armhole of foundation so that the shoulder and side seam lines are even; then mark armhole from shoulder to side seam.

#### ANOTHER USE FOR THE "GUIDE"

This "guide" may be used to draft a complete fitted waist front and back (size 16) in a short space of time and without the use of a square.

Draft foundation as follows:

#### I.

Place "guide" in upright position and draw armhole outline; then continue to rule shoulder and side seam lines as follows:

- A to B - 5 - Back shoulder.
- C to D - 4-3/4 - Front shoulder.
- E to F - 8-1/4 - Back side seam.
- E to G - 8-1/4 - Front side seam.

#### II.

To draw back neck and center back lines, place "guide" with back shoulder slope in a straight line with line A-B, at point B.

H to I - 16 - Center back length.

Before drawing center back line, see that J to K is 7", (4" below H).

Draw neck and center back lines.

#### III.

To draw front neck and center front lines, place "guide" with front shoulder slope in a straight line with line D-C, at point D.

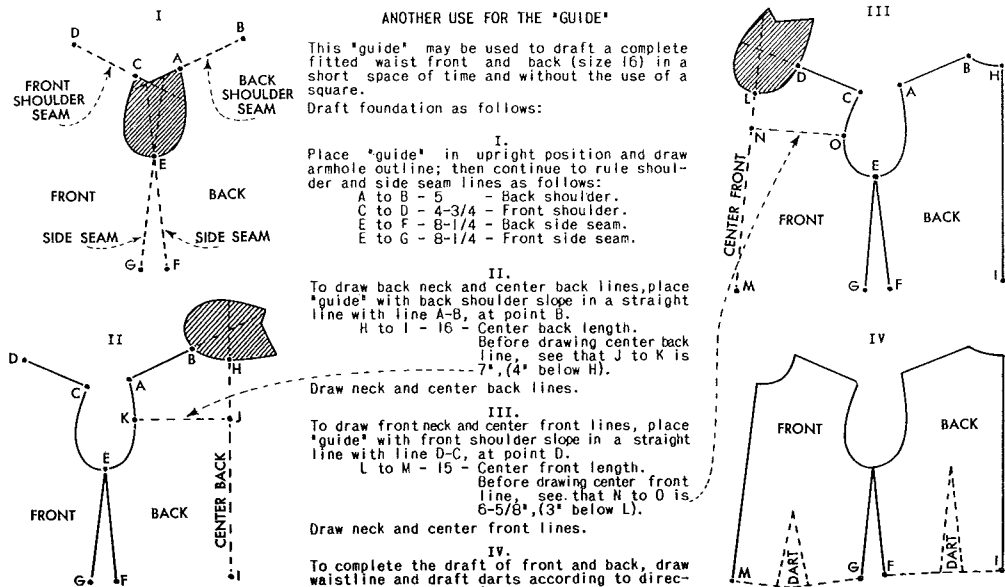
L to M - 15 - Center front length.

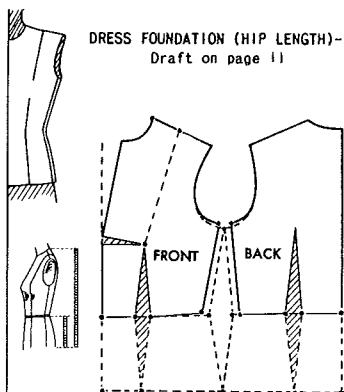
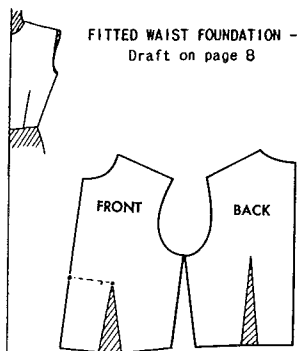
Before drawing center front line, see that N to O is 6-5/8", (3" below L).

Draw neck and center front lines.

#### IV.

To complete the draft of front and back, draw waistline and draft darts according to directions given on page 8.



**PRELIMINARY STEPS**

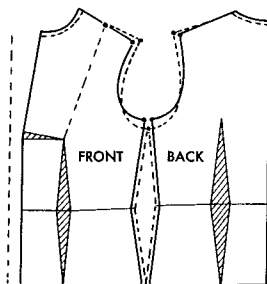
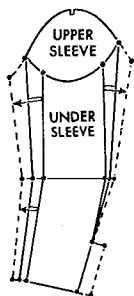
In order to make patterns for jackets or coats, a foundation must first be made for the front, back, and sleeve. This can be accomplished quite simply by using the following steps:

1. Draft the fitted waist foundation according to instructions given on page 8.
2. After completing the draft of the front and back, use it as a guide to draft the dress foundation (hip length) as shown on page 11.
3. Finally, draft the dress sleeve foundation as shown on page 12.

These are the preliminary steps necessary before making the jacket or coat foundations which are shown on page 66.



**JACKET FOUNDATION -**  
Draft on page 66

**THE JACKET FOUNDATION**

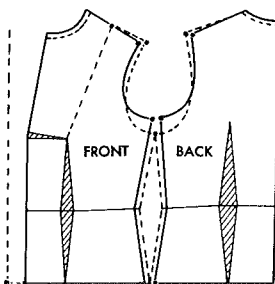
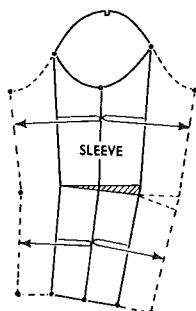
All jackets which are worn over a blouse or dress, require extra ease allowance around bust, waist, hip, neck and arm.

By lowering the neck line  $1/8"$ , this will automatically increase the neck edge to the correct size (about  $1/2"$  larger than dress neck edge).

The armhole must be lowered at least  $1/2"$  to give the necessary comfort when jacket is worn over blouse or dress.

Sleeve should be made about  $1"$  larger around muscle and elbow, and about  $1/2"$  longer than dress sleeve, measuring from cap to wrist.

**COAT FOUNDATION -**  
Draft on page 66

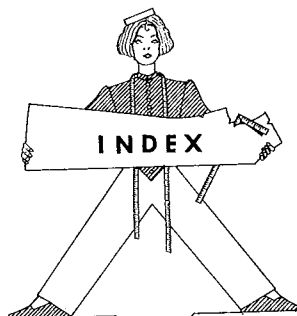
**THE COAT FOUNDATION**

Coats should be made large enough so that when worn over a dress it will fit comfortably and at the same time, represent the correct size. Therefore, the ease allowance around the body and arm, and the depth of armhole, should be proportionately greater than that of the jacket foundation.

The method as shown on page 66 indicates the minimum ease allowance which is suitable for the fitted coat, such as the reefer or princess coat.

The box-coat, however, requires extra ease around bust and hip, and often a slightly deeper armhole. This type of coat can be worn over a suit.

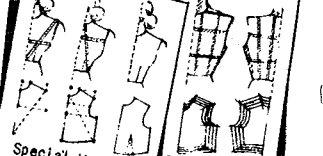
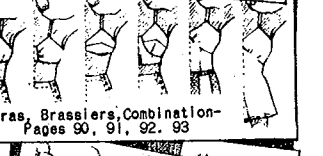
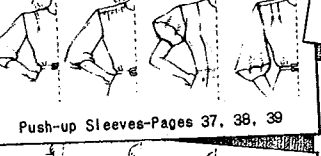
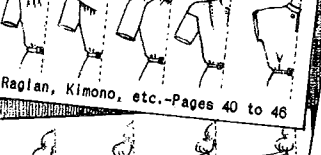
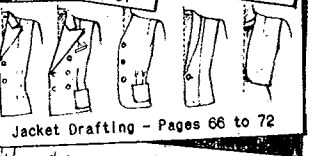
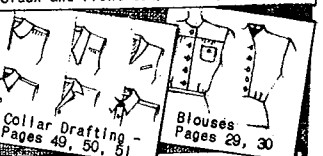
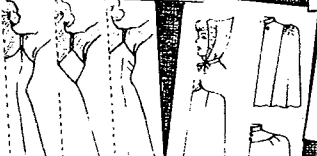
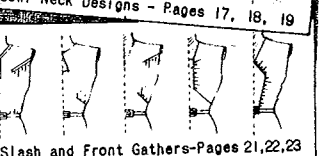
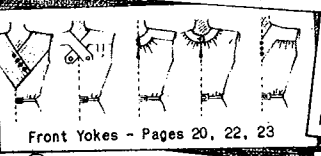
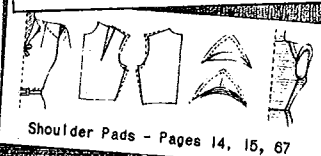
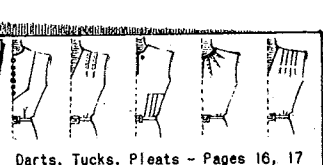
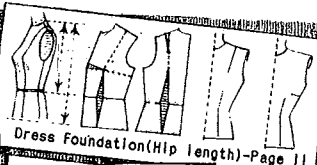
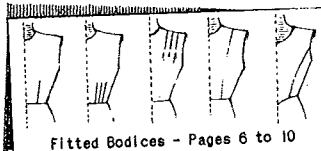
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## FOREWORD

This book is dedicated to the student as well as the worker in the garment manufacturing industry, who is interested in learning the art of pattern drafting and grading.

The enormous growth of the garment industry and the constant development of new designs which calls for expert craftsmanship in making patterns, reveals the need of a text book in this subject to meet with the every day problems of the trade.

The book contains the fundamental principles of pattern drafting and grading, and the most practical method of making patterns in accordance with the sketch of the garment. Each problem herein is presented with an illustration of the design, the method of making the pattern shown in successive stages, and the text, giving a detailed description of each step.

Due to the author's vast experience in the trade, and years of teaching in schools, plus constant research on this subject, the method used in this book is most modern, elaborate and instructive. Each lesson is also intended to serve as a fundamental background to the advanced mechanic in the trade as well as to the beginner.

Many students have the qualifications to artistically design or create new styles; others have the ability to become good technical pattern makers and graders; still others are fortunate to possess both qualifications. It was with the thought of helping these various groups that this text book was prepared.

The author is deeply indebted to Dr. William H. Dooley of the Straubenmuller Textile High School of New York, for his inspirational guidance and invaluable counsel on this subject.

The author is also grateful to Mr. L. Samuels of the Textile Evening School, and to Mr. P. Difatte and Mr. I. Curtis of Central Needle Trade Evening School for their kind assistance and cooperation, in preparing subject matter for this book.

# PATTERN DRAFTING

## INTRODUCTION

### Pattern Drafting As Applied to Women's Garment Designing

The most important contribution to the women's garment industry is the system of pattern drafting, or, as sometimes termed, flat designing. It has become recognized as the most practical method for making patterns, because they can be made with greater speed and efficiency.

Draping is regarded as the oldest method of designing. Sketching original styles is another form of designing. Fashion artists express their ideas by sketching new designs for women's garments. These sketches are generally used by pattern makers and drapers to create a new line of garments.

The system of pattern drafting or flat designing is widely used now because of the present style silhouette which calls for the close fitting waistline. The garments therefore require a greater use of darts, tucks, etc., for correct fit over the bust and hip. Flat designing is so called because the entire design is planned and developed on drafting paper.

According to the system, a foundation pattern, or, as it is sometimes called, the block pattern, is first made to fit the sample size figure. It is then used as a guide to draft the pattern for the new design. Style lines, seams, darts, tucks, etc., are planned in accordance with the style. The outlines of the pattern pieces are then traced, seams are allowed, the corresponding edges are notched, and finally, a muslin fitting is made according to the pattern.

The routine of pattern drafting and the manipulation of the foundation pattern is clearly illustrated and outlined in this text book. It demonstrates the process of pattern making from the sketch of the garment to the finished pattern.

This book affords the student every opportunity to study the proportions of the sketched garment and to apply the style lines to the corresponding positions in the draft. To insure success, the student must complete each problem as outlined.

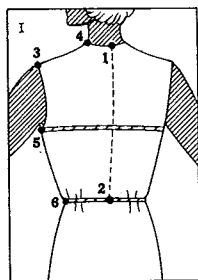


When drafting a foundation pattern for the human figure, it is not only important to take the necessary measurements, but also to take them correctly.

For best results, students should first practice taking measurements of the dress form (for drafting purposes) before taking measurements of the human figure.

First have the person wear a plain dress or blouse, with a high neckline, regular armhole, and plain set-in-sleeve; then arrange a tape or thin cord around bust and waistline rather closely, as illustrated.

Before taking the measurements, place pins on the garment at the positions indicated on figures I and II, as follows:



- I
- 1 - Center back at neck.
  - 2 - Center back at waistline.
  - 3 - Shoulder seam at armhole.
  - 4 - Shoulder seam at neck.
  - 5 - Side seam at armhole.
  - 6 - Side seam at waistline.

- II
- 7 - Center front at neck.
  - 8 - Center front at waistline.

Use a standard tape measure to take all the measurements on the figure; use the tailor's square or triangle to draft the pattern. When taking the front and back measurements (from side to side at bustline), have the person take a deep breath. This will provide the fitted waist with the necessary ease allowance around bust. For example: A size 16 model measures 34" around bust, but after taking a deep breath she will measure between 36" to 36-1/2". All dress forms have the chest expansion allowance.

Therefore the fitted waist pattern should include the chest expansion allowance or else the side seams will tend to rip.

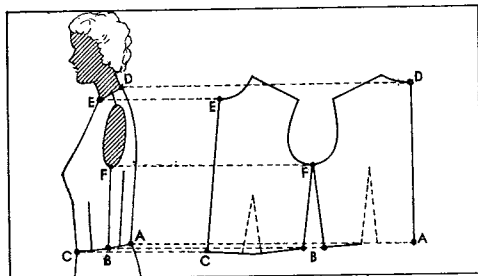
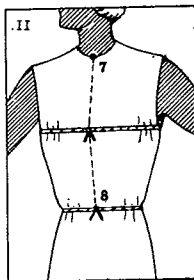


Illustration above shows the relative positions between the figure and the waist pattern. It also illustrates some of the important corresponding points at waistline, neck and armhole depth, as follows:

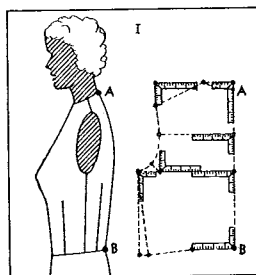
**WAISTLINE** - According to the present style trend, the waistline slopes at a slight angle, making the waistline 1/2" lower at center front, and 1/4" lower at side seam than at center back, as indicated at points A, B and C.

**NECK** - The posture of the figure brings the back of neck, point D, about 2" higher than front of neck, point E, (measuring from the floor level).

**ARMHOLE DEPTH** - Point F at armhole is located about 1" below the armpit of the human figure. This applies to a dress with or without sleeves.

**SHOULDER SLOPE** - The normal slope of the shoulder brings the point at armhole about 2" lower than at neck.

**WAIST DARTS** - The darts in front and back give the garment a smooth and close fit at the waistline.

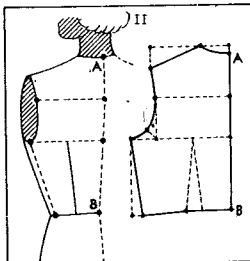


#### THE USE OF THE TAILOR'S SQUARE

I  
Diagram shows important construction lines in the draft of the back. It demonstrates the use of the square in miniature forms.

When drafting the back, the first line to be drawn is the center back line. This serves as the backbone of the draft just as the center back is the backbone of the figure.

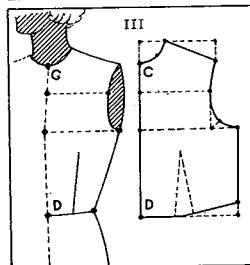
All other points in the draft must be located by ruling squared lines with great precision. Mark a noticeable dot at the end of each drawn line.



II and III  
These diagrams show separate relative positions between the figure and the pattern of the back and front sections.

For the normal figure, only half of the pattern is needed, (from center back to center front).

For a noticeable difference between the left and right side of the figure, an entire front and back pattern is required.



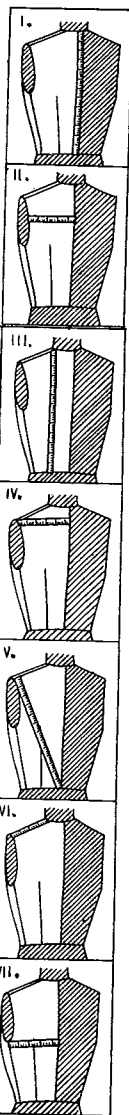
# DRAFT OF FITTED BODICE BACK

(Special Measurement Method)

## HOW TO DRAFT THE FITTED WAIST FOUNDATION PATTERN

The following diagrams show how to take the necessary measurements on the figure and how to draft the pattern.

The dotted lines in the drafting diagrams represent the construction lines; the solid heavy lines are the outlines of the pattern.



### I. CENTER BACK LENGTH

- A to B-----From neck to waist.  
Draw this line for center back line.

### II. ACROSS BACK

- A to C-----Equals  $1/4$  of line A-B.  
C to D-----Equals half of width across back.  
Square a line across C to D; then extend line about 3".

### III. BACK SHOULDER HEIGHT

- B to E-----Equals length from waist to shoulder at neck. Tape is parallel to center back line.  
Extend center back line up above A.

### IV. BACK BODY WIDTH

- E to F-----Equals half of back plus  $1/4$ " ease allowance.  
Square a line across F to F.  
F to G-----Square a line down from F to line C-D.

### V. BACK SHOULDER SLOPE

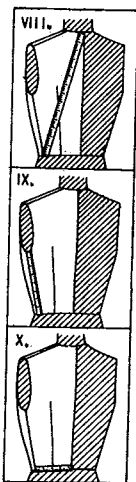
- B to H-----Square a line across at B.  
H to I-----Draw a line from H to I, marking point I somewhere on line F-G for shoulder slope.

### VI. BACK SHOULDER SEAM

- I to J-----Equals shoulder, plus  $1/4$ " ease allowance.  
Locate J somewhere on line E-F. Then draw shoulder line.  
J to A-----Draw a curved line for back of neck.

### VII. FULL BACK WIDTH

- B to K-----Extend line down  $1/4$ ".  
K to L-----Equals half of back, measuring to side seam at armhole.  
Square a line across from center back line at K.  
L to M-----Square a line up, from L to line C-D.



### VIII. SIDE WAIST DEPTH

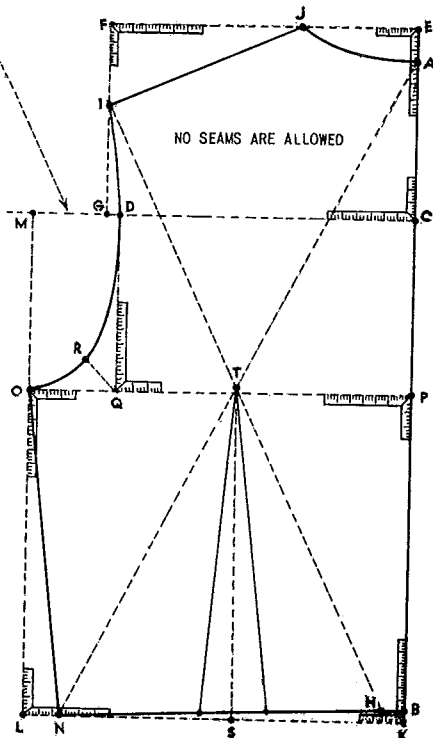
- A to N-----Draw a line from A to N, locating point N somewhere on line K-L for side waist depth.

### IX. SIDE SEAM LENGTH

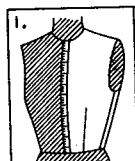
- N to O-----Draw side seam line.  
O to P-----Square a line across from O to center back.  
Q to D-----Square a line up from Q to D.  
Q to R-----Draw a diagonal line.  
I to O-----Draw the armhole from I to D to R to O.

### X. BACK WAISTLINE

- N to H-----Connect for waistline.  
S to T-----Square a line up to T.  
For dart, reduce required amount each side of S, to nothing at T.

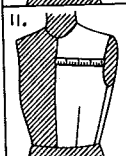






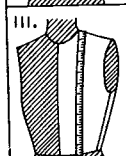
## 1. CENTER FRONT LENGTH

A to B-----From neck to waist-line. This measurement is taken along center front from the base of the neck to the waist-line.  
Draw line from A to B for center front line.



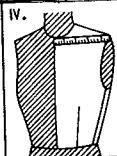
## II. ACROSS CHEST

A to C-----About 1/5 of line A  
and B.  
C to D-----Equals half of width  
across chest.  
Square a line across  
C to D; then extend  
line about 3".



### III. FRONT SHOULDER HEIGHT

B to E----- Equals length from  
waist to shoulder, at  
neck.  
Tape is parallel to  
center front line.



#### IV. FRONT BODY WIDTH

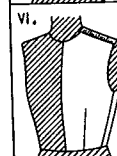
E to F-----Square a line across  
at point E.  
This line equals half  
of front at shoulder  
seam.

F to G-----Square a line down from  
F to line C-D.



## V. FRONT SHOULDER SLOPE

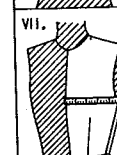
B to H-----Equals length from center front waist to shoulder at armhole.  
Mark point H somewhere on line F-G for shoulder slope.



## VI. FRONT SHOULDER SEAM

H to I-----Draw a line from H to I, locating I somewhere on line E-F.

A to I-----For front neckline, draw a curved line from A to I, passing  $1\frac{1}{2}$ " from crossing of guide lines, as illustrated.



## VII. FULL FRONT WIDTH

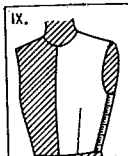
B to J-----Square a line across  
at B.  
This line equals half  
of front, measuring  
across bust to side  
seam, at armhole.

J to K-----Square a line up from  
J to line C-D.



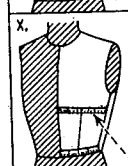
### VIII. SIDE WAIST DEPTH

A to L-----Equals length from center front at neck to side at waist.  
Mark point L somewhere on line J-K.



### IX. SIDE SEAM LENGTH

L to M-----Draw side seam line.  
M to N-----Square a line across  
                  from M to center front.  
O to D-----Square a line up to D.  
                  Continue to the top.  
O to P-----7/8" Draw a diagonal line.  
H to M-----Draw the armhole from  
                  H to D to P to M.

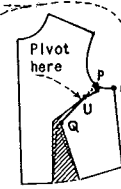
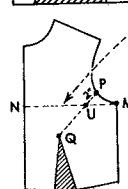


## X. FRONT WAISTLINE

R to Q-----First locate Q at crossing of diagonal lines N to L, and D to B; then square a line across from R to Q.

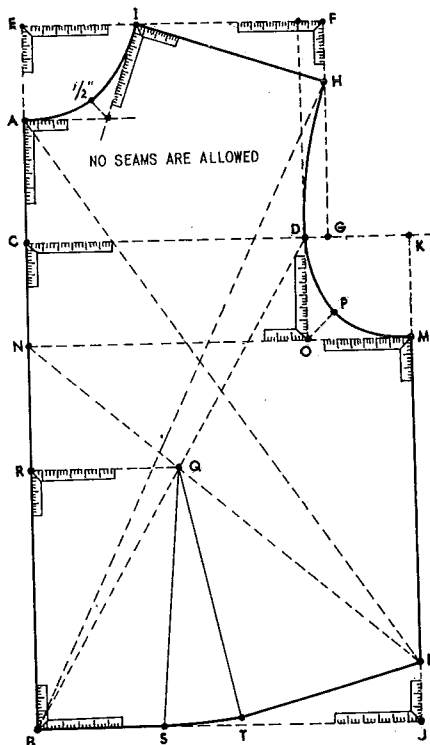
B to S-----Equals R to Q less  $1/2$ .

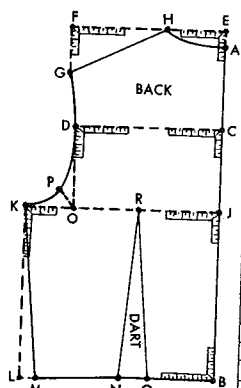
S to T-----Equals reductions at front waistline.



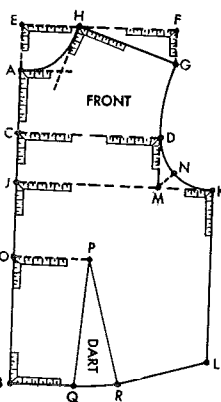
Make dart by drawing equal length lines from Q to S and Q to T; then connect from T to L.

If measurement across fullest part of bust is greater than line N to M, cut out dart and slash from Q to U (2" from P). Spread needed amount at Q, pivoting at U. (This also helps to reduce armhole slightly).



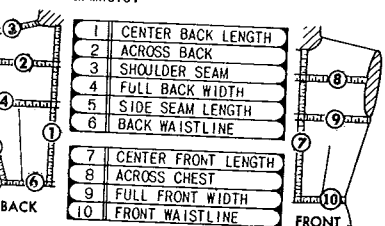


SIZE	12	14	16	18	20	
A to B	15-1/2	15-3/4	16	16-1/4	16-1/2	Equals Center Back Length.
A to C	3-7/8	3-7/8	4	4	4-1/8	Equals about 1/2 of Center Back Length.
C to D	6-1/2	6-3/4	7	7-1/4	7-1/2	Equals 1/2 of Across Back Measurement.
A to E	3/4	3/4	3/4	3/4	3/4	Equals shoulder height line.
E to F	6-3/4	7	7-1/4	7-1/2	7-3/4	Equals line C-D, plus 1/2".
F to G	1-7/8	1-7/8	2	2	2	Equals shoulder slope depth.
G to H	4-3/4	4-7/8	5	5-1/8	5-1/4	Equals Shoulder Seam (1/4" ease included).
H to A						Curve a line for back of neck.
B to J	7-3/4	7-7/8	8	8-1/8	8-1/4	Equals Side Seam Length, less 1/4".
J to K	8	8-1/2	9	9-1/2	10	Equals 1/2 of Full Back Width measurement.
K to L	8	8-1/8	8-1/4	8-3/8	8-1/2	Equals Side Seam Length.
L to M	3/4	3/4	3/4	3/4	3/4	Square across at point L.
M to K						Connect for Side Seam line.
B to N	4	4-1/4	4-1/2	4-3/4	5	Equals 1/2 of J-K line.
M to N						Connect to complete the waistline.
D to O						Square a line down from point D to line J-K.
O to P	7/8	1"	1"	1-1/8	1-1/8	Draw a diagonal line at 45° angle.
G to K						Draw back armhole line from G to D to P to K.
N to Q	1-1/4	1-3/8	1-1/2	1-1/2	1-1/2	Width of dart at waistline.
J to R	3-1/2	3-5/8	3-3/4	3-7/8	4	Equals distance from B to center of N-Q.
						For dart, connect from N to R to Q.

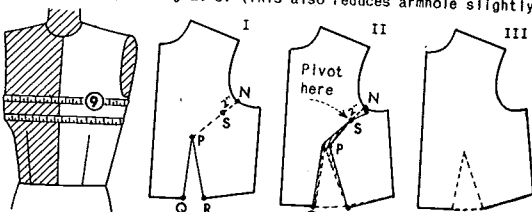


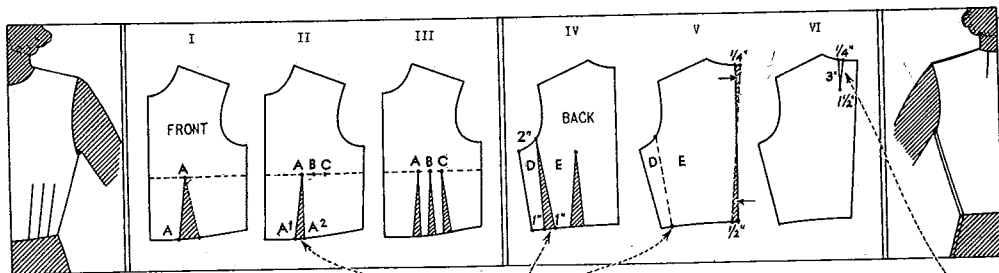
SIZE	12	14	16	18	20	
A to B	14-1/2	14-3/4	15	15-1/4	15-1/2	Equals Center Front Length.
A to C	2-7/8	2-7/8	3	3	3-1/8	Equals 1/5 of Center Front Length.
C to D	6-1/8	6-3/8	6-5/8	6-7/8	7-1/8	Equals 1/2 of Across Chest measurement.
A to E	2-1/8	2-3/16	2-1/4	2-5/16	2-3/8	Equals shoulder height line.
E to F	6-5/8	6-7/8	7-1/8	7-3/8	7-5/8	Equals line C-D plus 1/2".
F to G	1-3/8	1-3/8	1-1/2	1-1/2	1-1/2	Equals shoulder slope depth.
G to H	4-1/2	4-5/8	4-3/4	4-7/8	5	Equals Shoulder Seam.
H to A						Draw a curved neckline, after squaring across at A, and squaring from H, as illus.
B to J	9-1/4	9-3/8	9-5/8	9-3/4	10	Equals Side Seam Length, plus 1-3/8" for size 16 (with 1/8" grade for each two sizes)
J to K	8-1/8	8-5/8	9-1/8	9-5/8	10-1/8	Equals 1/2 of Full Front Width measurement.
K to L	8	8-1/8	8-1/4	8-3/8	8-1/2	Equals Side Seam Length.
D to M						Square a line down from point D to line J-K.
M to N	3/4	7/8	7/8	1"	1"	Draw a diagonal line 45° angle.
G to K						Draw front armhole line from G to D to N to K.
B to O	5-3/4	5-7/8	6	6-1/8	6-1/4	Equals about 1/2 of B to C on center front.
O to P	3-1/4	3-3/8	3-1/2	3-5/8	3-3/4	Equals about 1/2 of E-F line.
B to Q	2-3/4	2-7/8	3	3-1/8	3-1/4	Equals O to P, less 1/2".
Q to P						Connect.
Q to R	1-3/4	1-7/8	2	2	2	Equals width of dart at waistline.
R to P						Equals length of line Q-P.
R to L						Connect to complete the waistline.

The illustrations below indicate where each body measurement is taken on the figure. Measurements 4 and 6 on the back, and 9 and 10 on the front, are taken from side seam to side seam. The measurements 2 and 8 are taken from armhole to armhole.



FOR A FIGURE WITH PROMINENT BUST, take an additional measurement over fullest part of bust, about 2" below the "FULL FRONT WIDTH" measurement, and if this measurement is greater, adjust Front pattern as follows: Cut out dart, then slash from P to S (2" from N) and spread needed amount at P, pivoting at S. (This also reduces armhole slightly).





BODICE FRONT WITH 3 WAIST DARTS

I

Trace the front foundation; then square a line across at top of dart.  
For the 3 darts, first trace part of the first dart, from A to A-1.

II

Mark the position for the top of the 3 darts 1" apart between A, B and C.

Make the space at lower part of the first dart, between A-1 and A-2, 1/3 of the single dart in the front foundation.

III

Complete the second and third dart (same size as first), making the space 3/4" wide between each dart at waistline.

BODICE BACK WITH NECK DART

IV

Illustration shows waist dart omitted. Diagrams IV, V and VI show how to eliminate the waist dart, and how to form the neck dart.

V

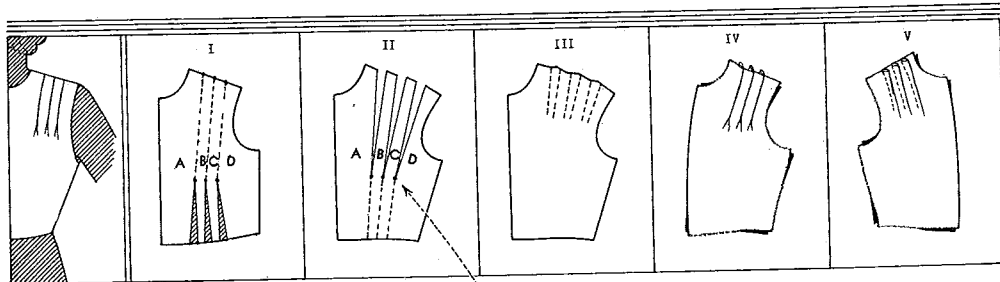
Trace the back foundation; then eliminate the waist dart by reducing 1" at waistline to nothing at armhole near side seam. Mark sections D and E.

VI

Bring sections D and E together; then draw new center back line, by adding 1/4" at neck and reducing 1/2" at waistline, as shown by dotted line.

VI

Make the neck dart 1/4" wide and 3" long; 1-1/2" from center back.



BODICE WITH 3 SHOULDER TUCKS

I

Illustration shows 3 tucks at shoulder and no darts at the waistline.

The garment fits closely at the waistline and smoothly over the bust.

According to the design, the tucks may be made as inside or outside tucks. In appearance, both ways are decorative; in fitting value, both serve the same purpose.

II

Cut out front; then slash along the 3 tuck lines. Place front on another sheet of paper and close up the waist darts to spread section A-B-C-D evenly for the 3 shoulder tucks. Pin to position.

III

Trace front and mark shoulder tucks in dotted lines, making the left tuck 5" long, center tuck 4-3/4", and the right, 4-1/2".

IV and V

Cut out front in muslin and make the 3 shoulder tucks, as shown in the diagrams.

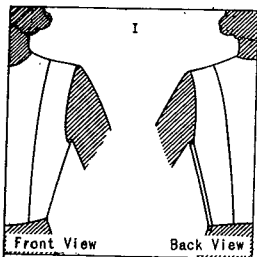
Press tucks toward the center front.

As a rule, tuck lines are parallel to the center front line, or slant slightly toward the center front, at lower part of tucks.

I

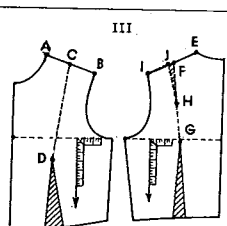
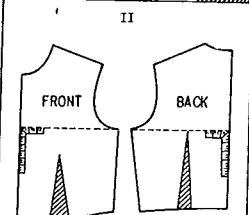
Use the front with the 3 waist darts as a guide; then mark positions for the 3 tucks as follows: First draw the center tuck line, from the center of shoulder to the middle dart; then draw a line 1" each side of the center line, and mark sections A-B-C-D.

## 2 STYLES OF FITTED BODICES



FRENCH FITTED BODICE

I  
Illustrations show front and back view of French bodice.



II  
Trace fitted front and back, including the darts; then square a line across at lower part of armhole as shown by dotted line.

III  
Divide Front into two parts as follows:  
A to B -- Equals front shoulder.  
A to C -- Equals 1/2 of shoulder.  
C to D -- Draw line from C to D, at top of dart.  
Divide Back into two parts as follows:  
E to F -- Equals A to C on front shoulder.  
F to G -- Draw line from F to G, at top of dart.  
H -- Center between F-G.  
I to J -- Equals B to C on front shoulder.  
J to H -- Connect.

For the grain lines, mark arrows on side sections by squaring from the bust line.

IV  
Trace each section about 2" apart, eliminating the darts at the waistline and the dart at the back shoulder.

Draw a curved line in side section of front at point D as shown by dotted line.

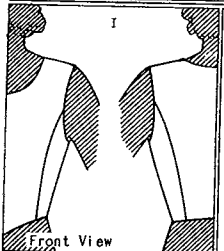
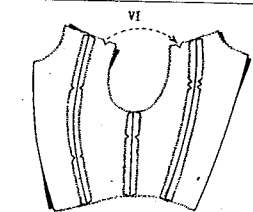
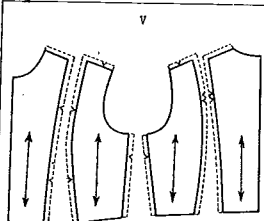
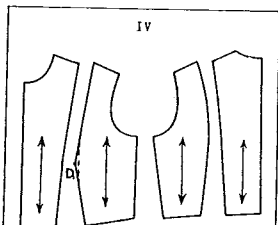
V  
For the first fitting, add seams on the edges, as shown in the diagram.

Make corresponding notches as indicated.

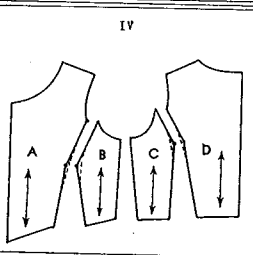
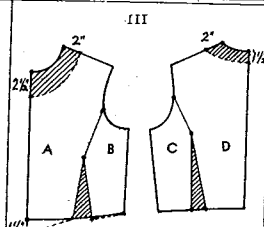
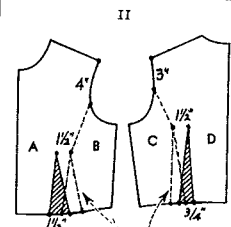
Use two single notches in front, one above the bust curve and one below.

When making a final pattern for a garment, allow seams also at neck, armhole and waistline.

VI  
This diagram shows fitting partly joined.  
First join the front sections, matching notches; then join seams of the back sections. Join side seams and press all seams open, before joining shoulder seams.



BODICE WITH LOW NECKLINE

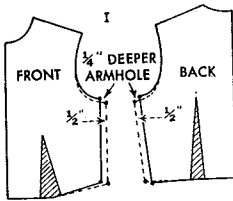


Illustrations show seams in front and back running from waistline to armhole instead of to shoulder seam.

II  
Trace front and back foundation and shift position of darts as shown by dotted lines; then draw seam line from top of darts to armholes in front and back.  
Mark sections A, B, C and D.

III  
Lower the neckline in front and back to correspond with the neckline in the illustration.  
The lower neckline at center back is usually dropped about 3/4 of the drop at shoulder.  
Lower the waistline at center front, 1-1/2", as illustrated.

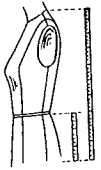
IV  
Trace sections A to D about 2" apart and round the corners as shown by dotted lines.  
The grain lines, seam allowance and notches are to be made in the same manner as for the French fitted bodice.



**HOW TO DRAFT THE DRESS FOUNDATION**  
Use the fitted waist foundation as a guide to draft the dress foundation, as follows:

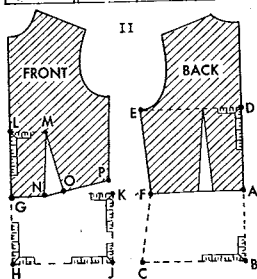
**I. EASE ALLOWANCE FOR THE DRESS FOUNDATION**  
Trace the outline of the front and back fitted waist foundation; then add the extra ease allowance needed for the dress foundation at side seam of front and back. Lower the armhole 1/4", as shown by dotted lines. Trace the waist darts in front and back.

**II. DRAFTING THE HIP LENGTH "CHEST SLANT" FOUNDATION**  
Cut out the new front and back; then draft the hip length dress foundation as follows:



SIZE	11	13	15	17
HIP	32	34	36	38
A to B	6-5/8	6-3/4	6-7/8	7
B to C	8-1/2	9	9-1/2	10
F to C				
G to H	6-1/8	6-1/4	6-3/8	6-1/2
H to J	8-1/2	9	9-1/2	10
J to K	6-3/8	6-1/2	6-5/8	6-3/4

12	14	16	18	20	
33	35	37	39	41	Body measurement.
6-3/4	6-7/8	7	7	7	Equals waist to hip.
8-3/4	9-1/4	9-3/4	10-1/4	10-3/4	Equals 1/4 of hip meas., plus 1/2" for ease.
					Connect
6-1/4	6-3/8	6-1/2	6-1/2	6-1/2	Equals waist to hip.
8-3/4	9-1/4	9-3/4	10-1/4	10-3/4	Equals C to B on back.
6-1/2	6-5/8	6-3/4	6-3/4	6-3/4	Equals H to G, plus 1/4".



Square a line across at K, indefinite length (about 2"). To complete the front draft, slash from L to M, and cut out the waist dart from N to M and O to M; then pivoting at point M, swing front, so that point P touches the squared line near point K as shown in diagram III.

**III. COMPLETING THE WAIST DART**  
Connect P to J; then complete the waist dart in front as follows:

H to Q - Equals space, L to M.

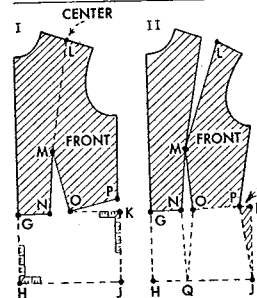
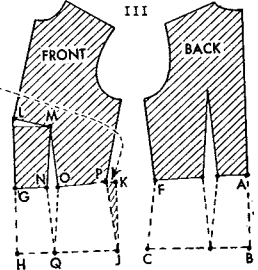
N to Q - Connect.

O to Q - Connect.

Make dart in back below waistline in same manner as in front.

This completes the draft of the "chest slant" dress foundation. No seams are allowed.

See directions below for making the "shoulder dart" or the "side dart" dress foundation.



## HOW TO DRAFT THE SHOULDER DART FRONT

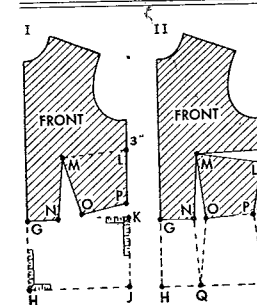
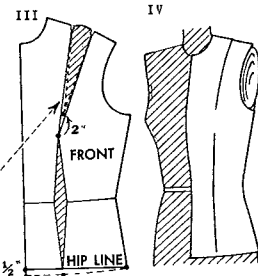
**I AND II**  
The method of drafting this front is similar to the draft of the "chest slant" foundation, with one exception, that instead of slashing from center front to breast point (L to M), you slash from center of shoulder to breast point L to M and pivot front at point M so that point P touches the squared line near point K, as shown in diagram II.

Connect P to J and make the waist dart.

**III**  
To complete the front, draw V-shaped dart from shoulder seam to about 2" above breast point.

Add 1/2" to length at center front, to nothing at side seam.

**IV**  
Cut out front in muslin; then make the shoulder and waist darts. Try muslin fitting on dress form.



## HOW TO DRAFT THE SIDE DART FRONT

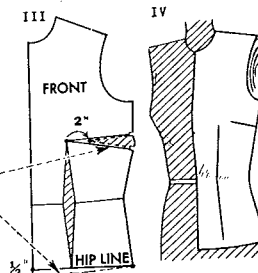
**I AND II**  
Repeat method of drafting the front foundations, but for the side dart; slash from side seam to breast point L to M, and swing lower side part of front (pivoting at point M), so that point P will touch the squared line near point K, as shown in diagram II.

To complete the foundation, connect P to J, and then make the dart below waistline.

**III**  
Draw V-shaped dart from side seam to about 2" from breast point.

Lengthen center front 1/2", to nothing at side seam as shown by dotted lines.

**IV**  
Make muslin fitting and try on dress form.

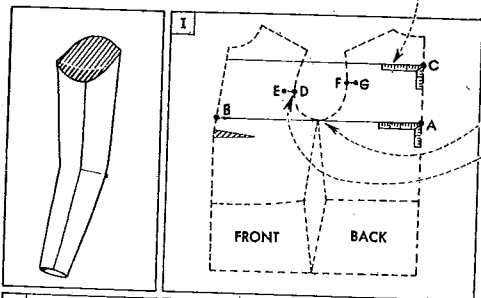


# ONE-PIECE SHAPED DRESS SLEEVE (Draft From Dress Armhole)

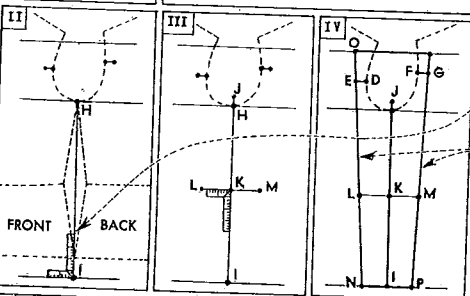
How to draft the one-piece shaped sleeve, using the armhole of the dress foundation (size 16) as a guide.

The cap height measurement A to C, as shown in diagram I,

equals 1/3 of the armhole circumference plus 1/2". This applies to all misses and junior sizes. The sleeve provides for a 2" ease around the arm, about 1" below armhole.



I  
Trace outline of dress front and back (hip length), with sides together at bust and hip lines.  
A to B - Square line across from center back line, touching lowest part of armhole.  
A to C - 6" - Cap height. Square line across at C.  
D - Locate point D on front armhole, half way between lines A and C.  
D to E - 1".  
F - Locate point F on back armhole, half way between lines A and C, less 1/2".  
F to G - 1".



II  
H to I - 17 - Draw a straight line down between the side seam lines of front and back; then square a line across at lower end on both sides of point I.

III  
I to J - 17-3/4 - Extend line 3/4" above H.  
K - Center between J and I.  
L to M - 5-1/2 - Square a line from K to L and K to M 2-3/4" each side of K.

IV  
N to O - Draw line through L and E.  
P to Q - Draw line through M and G.

V  
GUIDE LINES FOR SLEEVE CAP  
R - Center between O and Q.  
S - Center between O and R.  
T - Center between R and Q.  
V - Center between U and H. Draw guide lines from S to E to V; then from T to G to 1" from H.

VI  
SLEEVE CAP  
Curve a line from G to R to E; then from E to J to G.

VII  
SHAPING THE SLEEVE  
Shape sleeve as follows:  
N to W - 1/2"  
L to W - Connect.  
W to X - 3-1/2", bringing point X, 1/2" below line N-P.  
M to X - Connect.

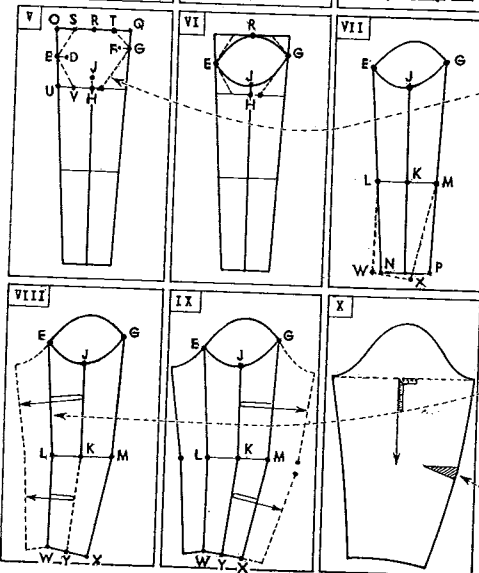
VIII  
FRONT OF SLEEVE  
Y - Center between W-X.  
K to Y - Connect.

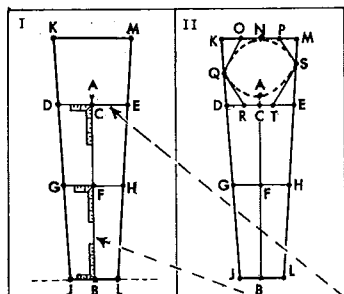
Form front of sleeve as follows:  
Fold paper on line E-L and trace from E to J to K; then open paper and fold again on line L-W. Trace from K to Y to W and open paper.

IX  
BACK OF SLEEVE  
For back of sleeve, repeat process of diagram VIII but begin tracing from G to J, etc.

X  
BACK DART  
In opening the sleeve, the back edge becomes about 1-1/4" longer than front edge.  
Draw V-shaped dart at elbow about 3" long and 1-1/4" wide.

No seams are allowed.





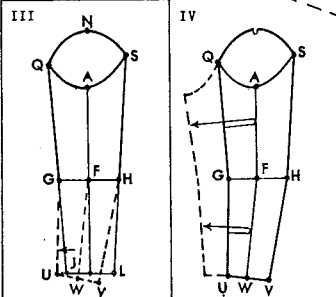
The illustrations above show how to take the following arm measurements:

1. Underarm Length --- from armhole to wrist.
2. Arm Circumference --- a little below armhole.
3. Elbow Circumference --- with arm bent up.
4. Overarm Length --- from shoulder to wrist.
5. Wrist Circumference --- a loose measurement.

HOW TO DRAFT THE SLEEVE FOUNDATION, SIZES 12 TO 20

The sleeve draft provides for a 2", minimum ease allowance around the arm at muscle. For example: If arm measurement is 11" for size 16, make sleeve pattern 13" wide, or 6-1/2" from D to E.

When drafting the sleeve, line A-B should be directly in center of draft.



SIZE	12	14	16	18	20	
A to B	17-1/4	17-1/2	17-3/4	18	18-1/4	Equals Underarm Length.
A to C	3/4	3/4	3/4	3/4	3/4	Mark point C, on line A-B.
D to E	6	6-1/4	6-1/2	6-3/4	7	Equals 1/2 of arm measure, plus 1" ease.
A to F	8-5/8	8-3/4	8-7/8	9	9-1/8	Equals 1/2 of line A-B.
G to H	5	5-1/4	5-1/2	5-3/4	6	Equals 1/2 of Elbow Measure.
						Square across at point B, indefinite length, for wristline.
J to K	22-1/4	22-5/8	23	23-3/8	23-3/4	Equals Overarm Length, through G and D.
L to M	22-1/4	22-5/8	23	23-3/8	23-3/4	Equals Overarm Length, through H and E.
K to M						Connect for top of Sleeve cap line.

#### II. GUIDE LINES FOR SLEEVE CAP

- K to N - Equals 1/2 of line K-M. D to R - Equals 1/2 of D-C.  
 K to O - Equals 1/4 of line K-M. M to S - Equals 1/2 of M-E, less 1/2".  
 M to P - Equals 1/4 of line K-M. C to T - 1".  
 K to Q - Equals 1/2 of K-D.

Draw the guide lines from O to Q to R for front of sleeve; for back of sleeve, from P to S to T.

#### SLEEVE CAP

For top of cap, draw a curved line from S to N to Q; for bottom of cap, from Q to A to S as shown by dotted lines.

#### III. SHAPING THE SLEEVE

Shape the draft of sleeve as follows:

- J to U - 1/2".  
 U to G - Connect.  
 U to V - Equals 1/2 of wrist measure. Draw this line 3-1/2" long for size 16, with 1/8" grade for each size, bringing point V, about 3/4" below line J-L.  
 V to H - Connect.  
 V to W - Equals 1/2 of line U-V.  
 W to F - Connect.

To complete the sleeve, fold drafting paper on line Q-G, and trace from Q to A to F; then open paper and fold again on line G-U, and trace from F to W to U.

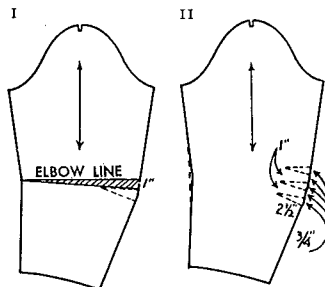
Repeat process for tracing back of sleeve as shown by dotted lines; then convert the extra length at elbow (about 1-1/4") by making a V-shaped dart about 3" for size 16 (with 1/8" grade for each size).  
 To complete sleeve pattern, allow seams.

#### ONE PIECE SHAPED SLEEVE WITH 3 ELBOW DARTS

The feature of this sleeve is that it is slightly more shaped than the sleeve with the single elbow dart.

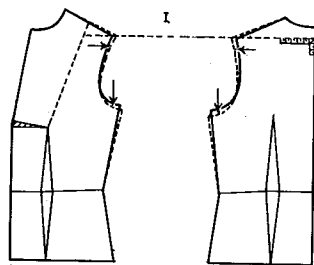
For the 3 elbow darts, add 1" to back edge of sleeve by slashing along the elbow line, from back to front, and spreading 1" at elbow.

Plan the 3 darts by first drafting the center dart, 3/4" x 2-1/2". Then draft the other 2 darts, one above, and the other below the center dart, as shown by dotted lines.



## DRESS FOUNDATION WITH BROADER SHOULDER

## HOW TO ADJUST DRESS FOUNDATION FOR BROADER SHOULDER AND SLIGHTLY DEEPER ARMHOLE



FRONT

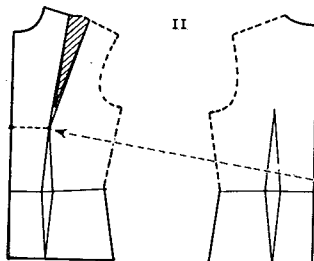
BACK

Illustration I shows armhole of dress at normal position on shoulder of form. The dotted line indicates a slightly broader shoulder outline, this being a style feature in practically all types of garments.

A garment having the armhole extending beyond the normal position on the shoulder, requires padding. The broader the shoulder, the greater the need for the padding.

Diagram I shows dress foundation adjusted for the broader shoulder and slightly deeper armhole as indicated by dotted lines. The width across front and back at bustline should be maintained as shown in the diagram.

To adjust pattern, trace front and back; then draft shoulders about  $1/4$ " broader and armhole  $1/4$ " deeper. Extend side seams slightly to maintain the width across front and back at bustline.



II

Illustration II shows dress with broader shoulder cut according to the adjusted pattern (pad should be inserted for fitting). A garment having slightly broader shoulders also has more width across back, and therefore gives greater freedom for action.

For shoulder dart in front, slash from center of shoulder to breast point; then close up front dart, forming straight center front line as shown in diagram II.

II

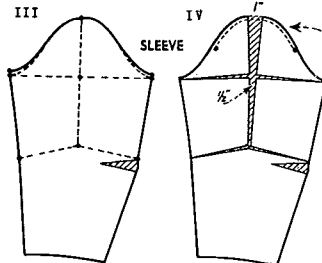
Illustration III shows sleeve made to conform with the broader shoulder and slightly deeper armhole.

Sleeve has extra ease allowance in cap to allow shoulder pad to extend  $1/2$ " or  $3/4$ " beyond armhole.

Diagram III shows cap of sleeve foundation adjusted for the  $1/4$ " deeper armhole. For additional ease in sleeve cap (totalling  $2-1/2$ " ease), draw slash lines as illustrated; then slash and spread as shown in diagram IV. This will raise the cap about  $1/2$ " higher, and widen the sleeve about  $1/2$ " at arm (bicep).

Divide each side of sleeve cap into 2 equal parts, and indicate with circles. This will give the position for ease in sleeve cap between circles.

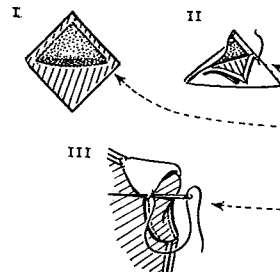
For materials such as velveteen or corduroy, use the original sleeve foundation, because of the difficulty of easing in the extra allowance for fullness.



III

SLEEVE

IV



## HOW TO MAKE A SHOULDER PAD FOR THE DRESS

I and II

Cut a diamond shaped piece  $7 \times 7$ " in silk or rayon; then insert cotton batting and thin it out towards the point. Turn in edges and slipstitch.

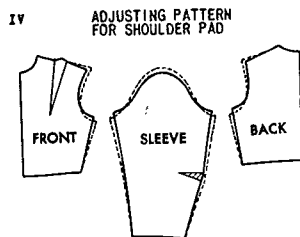
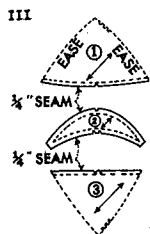
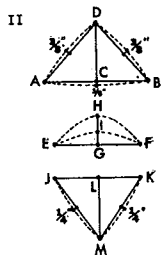
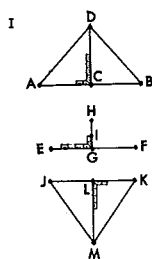
III

Tack pad to shoulder and armhole seams.

Illustration at right shows position of pad starting 2" from neckline and extending  $1/2$ " or  $3/4$ " beyond armhole as indicated by dotted lines.







# HOW TO DRAFT PAD FOR THE SET-IN-SLEEVE

Make shoulder pad pattern in 3 sections.  
Pad should be about 1-1/4" thick at center outer end, when finished.

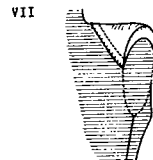
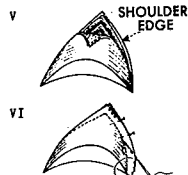
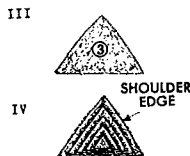
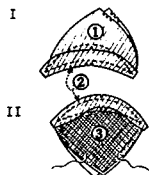
**I and II**  
Draft top section of pad as follows:  
A to B - 8" for size 16 (with 1/8" grade for each size).  
A to C - 4". This equals half of A to B.  
C to D - 4-3/4" for size 16, with 1/8" grade for each 2 sizes.  
A to D - connect.  
D to B - connect; then draw curved lines as shown in diagram II.

Draft center section of pad as follows:  
E to F - 6-1/4" for size 16 (with 1/8" grade for each size).  
E to G - 3-1/8". This equals half of E to F.  
G to H - 2-1/4".  
H to I - 1-1/4". This represents the thickest part of pad. Then draw curved lines as shown in diagram II.

Finally draft bottom of pad as follows:  
J to K - 6-3/4" for size 16 (with 1/8" grade for each size).  
J to L - 3-3/8". This equals half of J to K.  
L to M - 5" for size 16, with 1/8" grade for each 2 sizes.  
J to M - connect.  
K to M - connect; then draw curved lines as shown in diagram II.

**III**  
To complete the pattern, allow seams (about 1/4") to the edges as indicated; then make corresponding notches and mark sections 1, 2 and 3.

**IV**  
**HOW TO ADJUST PATTERN FOR SHOULDER PAD**  
Raise shoulder in front and back about 1/4" at outer part, to nothing at center of shoulder. Make shoulder 1/2" wider; make armhole 1/4" deeper; make underarm seam 1/4" wider at top to nothing at bottom.  
Adjust sleeve pattern as follows. Raise cap about 1/2"; then widen sleeve 1/2" at arm to nothing at bottom. Deepen cap at each side about 1/4".



# HOW TO MAKE THE PAD

**I**  
Sew section 3 to sections 1 and 2, taking up 1/4" seams.

**II**  
Cut crinoline interfacing same as section 3, trimming off seam allowance at outer edge. Baste to wrong side of section 3. Turn right side out as shown in diagram V.

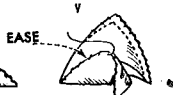
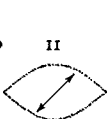
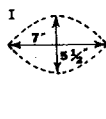
**III and IV**  
Cut a layer of cotton batting same as crinoline inter-

facing; then cut 4 more layers, each 1/2" smaller along the shoulder edges. Arrange in position as illustrated.

**V**  
Slip cotton batting between edges of pad, and shape, thinning cotton to nothing at shoulder edges.

**VI**  
Stitch pad about 1/2" in from raw edges, then overcast.

**VII**  
Showing finished pad.



# FOR ROUNDED SHOULDER PAD

This pad is especially suitable for the dress with kimono sleeve, raglan sleeve or dropped shoulder sleeve design.

For the rounded pad, add an oval shaped piece to the regular dress pad as follows:

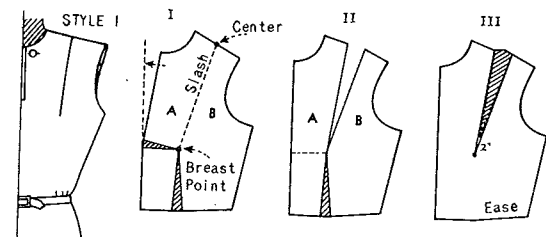
**I and II**  
Draft an oval shaped section, 5-1/2" x 7", as indicated, then cut in material on the bias.

**III and IV**  
Fold oval section through center, inserting layer of cotton batting. Whip raw edges together.

**V**  
Lap oval section to dress pad about 3/4" in from outer edge of pad at center, to nothing at each end. Whip to pad easing in fullness.

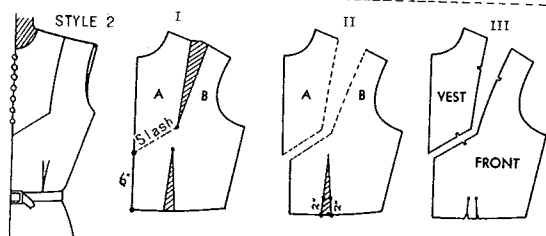
**VI**  
Showing finished pad.

## DRESS FRONT - 5 STYLES



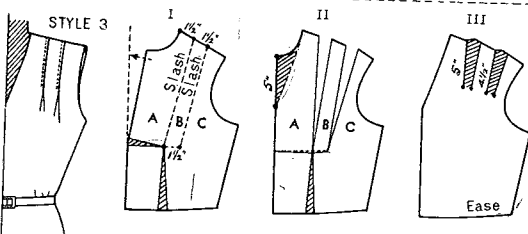
STYLE 1 - With Shoulder Dart

- I - Using the dress front foundation to waistline only, mark position for dart from center of shoulder to breast point; then mark sections A and B.
- II - Slash on dart line; then close up front dart to form shoulder dart.
- III - Draw V-shaped dart, from shoulder seam to about 2" above breast point.



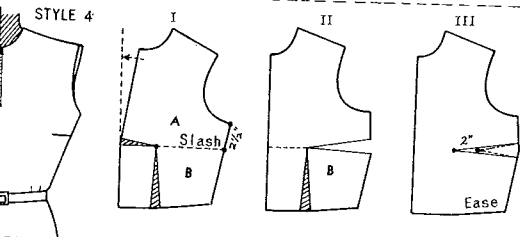
STYLE 2 - With Vest

- I - Using the shoulder dart foundation, draw line from shoulder dart to center front, 6" above waistline. Mark sections A and B.
- II - Cut out shoulder dart; then slash to center front, separating the vest section. Make a 2" length pleat along the waist dart lines.
- III - No seams are allowed.



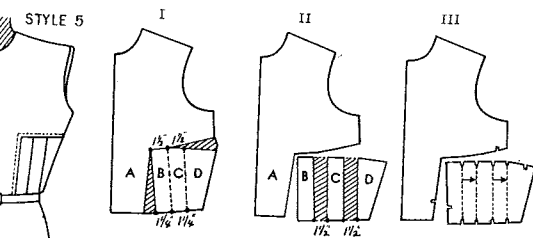
STYLE 3 - With Double Shoulder Tucks

- I - Mark position for tucks on dress foundation as shown by dotted lines. Mark sections A, B and C.
- II - Slash along the tuck lines, and spread to form equal size tucks, making a straight center front line, and closing up the front dart.
- Make a V-neck, 5" below high neck line.
- III - Mark the tuck lines as illustrated.



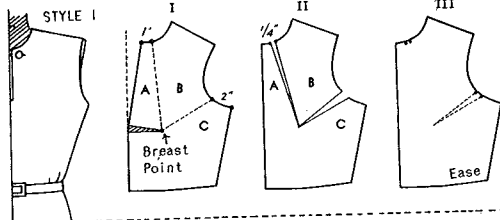
STYLE 4 - With Side Dart Fitting

- I - Mark position for side dart from side seam, 2-1/2" below armhole, to breast point; then mark sections A and B.
- II - Slash on side dart line; then close up front dart to form the side dart, also making a straight center front line.
- III - Draw V-shaped dart, from side seam to about 2" from breast point.

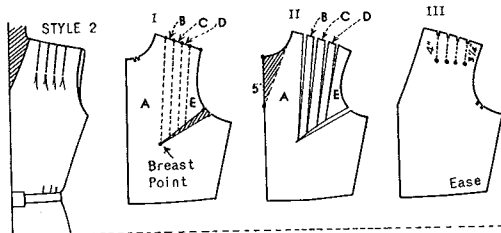


STYLE 5 - With Pleated Side Section

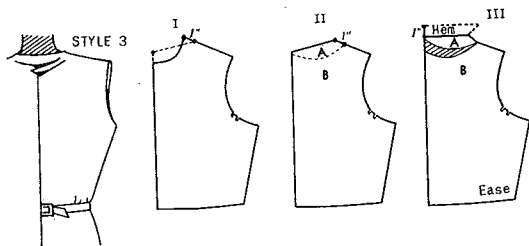
- I - Using the side dart foundation, mark position for the two pleats; then mark sections A to D.
- II - Cut out the side and waist darts to separate the front and side sections; then slash along the pleat lines and spread for the side pleats.
- III - Indicate the pleats with notches.
- No seams are allowed.



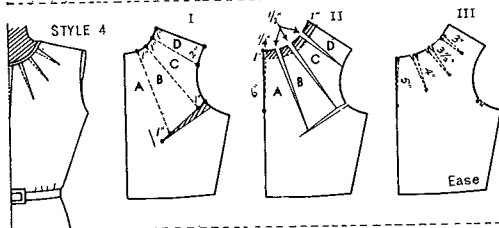
- STYLE 1 - Dartless Front**  
 Illustration shows front without darts. Pattern is so cut, that the darts are eliminated. The dartless front foundation may be used for styles made in soft and thin materials, and to fit the less mature figure only.
- I - Using the dress front foundation to waistline only, draw lines from breast point to neck and armhole as shown by dotted lines. Mark sections A, B and C.
  - II - Slash on dotted lines and close up front dart, making the spread at neck  $1/4"$ , leaving the remainder of the spread at armhole.
  - III - Indicate the spaces at neck and armhole with notches, and with dotted lines from armhole to breast point.



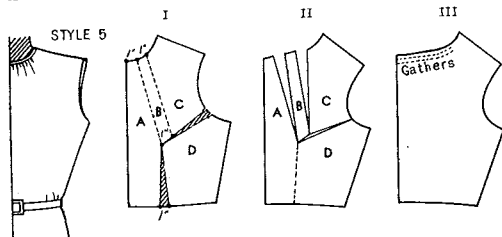
- STYLE 2 - With Pin Tucks at Shoulder**  
 Pin tucks are used mainly in sheer materials, such as georgette, chiffon, sheer crepes, etc., and the tucks can be made on right or wrong side of material.
- I - Using the dartless front foundation, draw the first tuck line  $1-1/4"$  in from neck along shoulder line, down to breast point. Draw remaining tuck lines  $3/4"$  apart.
  - II - Cut out armhole dart; then slash on tuck lines and spread  $1/4"$  at shoulder for  $1/8"$  pin tucks. This will reduce part of the fullness at armhole.
  - III - Make length of tucks as shown by dotted lines, making the first tuck  $4"$  long, and  $1/4"$  less for each succeeding tuck.



- STYLE 3 - High Cowl Neck, 1" Above the Regular Neckline**
- I - Trace dartless front foundation; then raise neck  $1"$  at center front, and lower neck  $1"$  at shoulder.
  - II - Draw a curved slash line from center front at higher neck, to shoulder  $1"$  below neckline. Mark sections A and B.
  - III - Slash along dotted line between A and B from center front to shoulder; then raise section A, so that the upper line will be at right angle to the center front line. This will provide the allowance for the drape. Add  $1"$  hem across the top as shown by the dotted lines.



- STYLE 4 - Neck Darts**
- I - Trace the dartless front foundation; then draw lines for the darts as shown by dotted lines. Mark sections A to D.
  - II - Cut out the armhole dart; then slash along the 3 dart lines, and spread sections B, C and D,  $1/2"$  at neck, for  $1/4"$  darts. For center front dart, draw line  $1/4"$  in from center front at neck, down to a point  $6"$  below neckline. Lower the neckline  $1"$  evenly all around.
  - III - Draw V-Shaped lines for the neck darts indicating top of darts with notches.

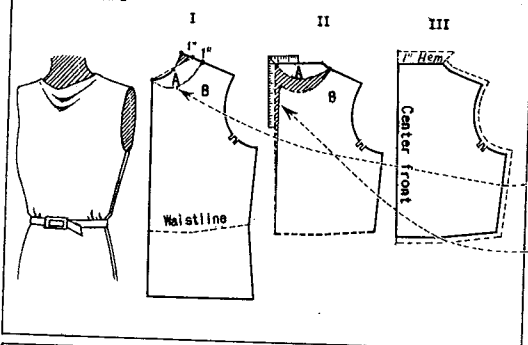


- STYLE 5 - Neck Gathers**  
 Illustration shows gathers at neck (the space being about  $2"$  each side of center front).
- I - Using the dartless front foundation, draw 2 slash lines as shown by dotted lines; then mark sections A to D.
  - II - First cut out the armhole and waist darts; then slash along dotted lines from neck down darts at armhole and waist.
  - III - Diagram shows completed front pattern. The 2 gathering lines near neck edge, are about  $1/4"$  apart.

## COWL NECK FRONT - 3 STYLES

The diagrams below show how to allow fullness in front for single, double, or triple drape cowl neck, using the dress front (dartless or front dart) foundation as a guide.

## SINGLE DRAPE



## COWL NECK WITH SINGLE DRAPE

Illustration shows blouse with high neckline drape in front. Neckline is 1" lower at shoulder.

I

Using the dartless front foundation, draw a straight line from a point on shoulder seam, 1" below neckline, to center front neck.

Mark position for drape allowance by drawing a curved line from shoulder to neck, and making section A about 1" wide at deepest part of curve.

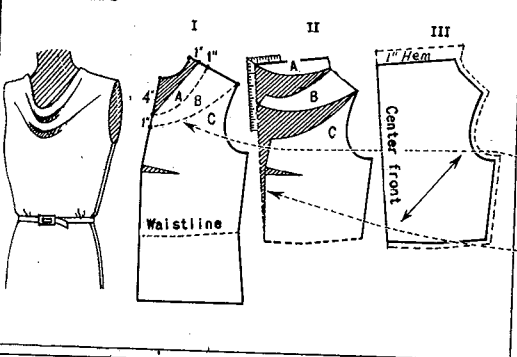
II

First draw squared lines; then slash front between sections A and B, and spread, placing front along the squared line as illustrated. Trace front to waistline only.

III

This diagram shows completed front. Allow seams on all edges but center front.

## DOUBLE DRAPE



## COWL NECK WITH DOUBLE DRAPE

Illustration shows blouse with neckline 1" lower at shoulder, and 4" lower at center front.

I

Use the regular hip-length dress foundation as a guide. Draw a straight line from shoulder to center front for lower neck. Mark positions for drape allowance as shown by dotted lines.

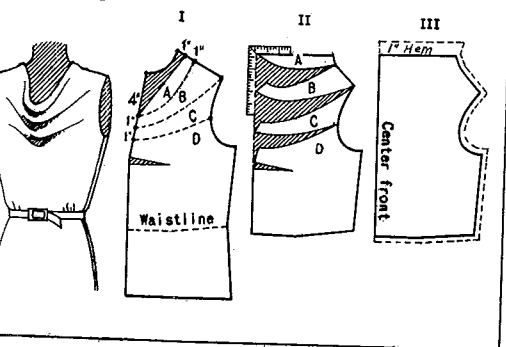
II

Draw squared lines; then slash front between sections A, B and C, and spread for drape allowance, placing front along the squared lines as illustrated. Trace front to waistline only.

III

For best results, front with cowl neck should be cut on the bias of goods.

## TRIPLE DRAPE



## COWL NECK WITH TRIPLE DRAPE

I

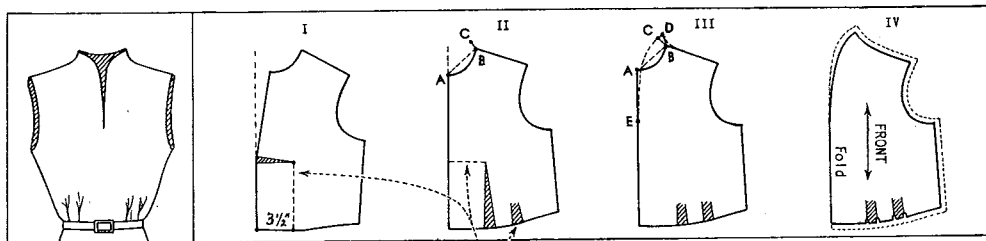
Use the regular hip length foundation as a guide. Draw line for lower neck, and mark positions for drape allowance in same manner as described above for the cowl neck with double drape.

II

Draw squared lines; then slash front, and spread sections A, B and C before placing front along the squared lines. Make sure that Sections A, B and C touch the squared line as illustrated.

III

Diagram shows front completed. Seams are to be allowed on all edges but center front.



## HIGHER NECKLINE DESIGN

Illustration shows front and higher neckline in one, with pleats at waistline.

I  
Using the dress front foundation to waistline only, as a guide, mark position for the first pleat from front dart to waistline.

Slash and close up front dart to spread for the first pleat as shown in diagram II.

II  
Mark position for the second pleat about 2" from first pleat. For higher neckline draw line from A to B, then square a line up 1" to C.

III  
C to D - 1/4"; then connect D to B.  
A to E - 5"; then draw curved line from D to C to E.

IV  
Allow seams, and make notches at pleats.

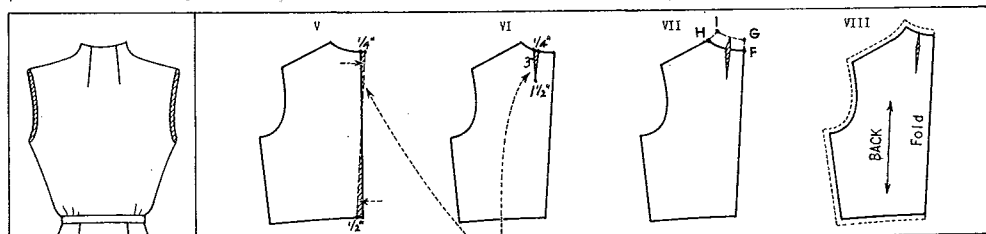


Illustration shows back view of higher neckline with neck darts.

## V and VI

Use dress back foundation as a guide.

For neck dart, first draw new center back line by adding 1/4" at neck and reducing 1/2" at waistline, as shown by dotted line.

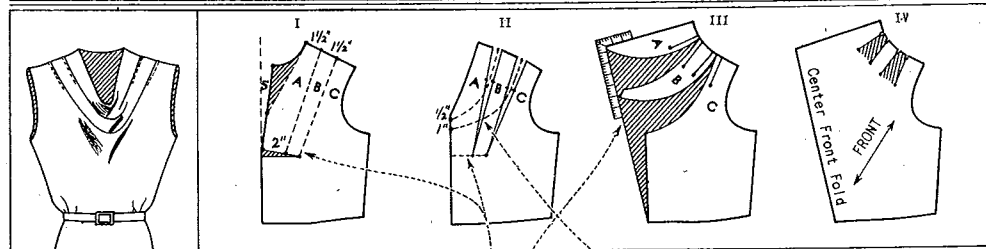
Make neck dart 1/4" wide and 3" long, 1-1/2" from center back.

VII  
For higher neckline, draft pattern as follows:  
F to G - 1". Continue center back line up.

H to I - 1". Be sure that the distance from I to G is 1/2" less than the distance from H to F, minus the dart.

Continue the dart above the neckline to a point.

VIII  
Add seams on all edges but center back.



## PLEATED COWL NECK DESIGN

Illustration shows cowl neck about 5" deep at center front. The stitched pleats at shoulder hold the drapes in position.

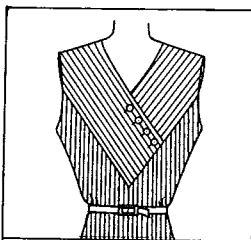
I  
Using the dress front foundation as a guide, mark position for the pleats and V-neck as shown by dotted lines. Mark sections A, B and C.

Slash along pleat lines; then close up front dart and spread between A, B and C as shown in diagram II.

II  
Mark positions for the drapes, as shown by the dotted lines. Make pleat lines about 3" long.

III  
Slash along drapeline from center front to shoulder and spread so that the lower points of sections A, B and C touch the squared outline.

IV  
For best results, front with cowl neck should be cut on the bias of goods.



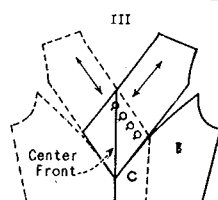
STYLE 1

I

Using the dress front foundation to waistline only, draw line from armhole to front dart, as shown by dotted line. Mark sections A and B.

II

Slash along line from armhole to front dart; then close up front dart, spreading A and B, as illustrated.

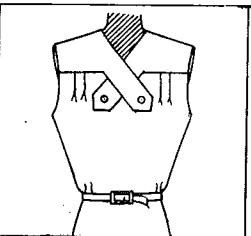


Draw a straight line for yoke seam line, from armhole to center front, 2-1/2" above waistline; then shift armhole dart toward the yoke seam line.

Draw neckline parallel to yoke seam line, making yoke 5" wide. Reduce 1/2" at waistline between C-B and bring together, as shown in diagram III.

III

Complete yoke section as illustrated; then trace and add seams.

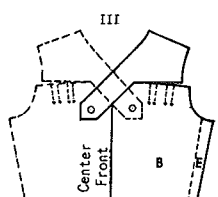


STYLE 2

I

Draw the yoke and tuck lines as shown by dotted lines; Mark sections A, B, C and D.

Slash along dotted lines of yoke and tucks; then close up front dart to spread for the tucks, as shown in diagram II.

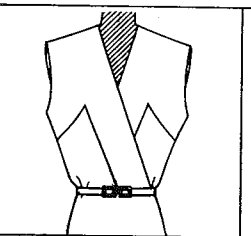


II

Complete the yoke section, making the diagonal part of the yoke 2" wide and 1-1/2" past center front. Reduce another 1/2" at waistline between B and E and bring together, as shown in diagram III.

III

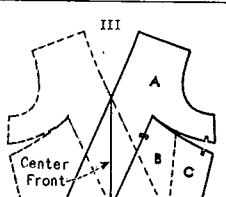
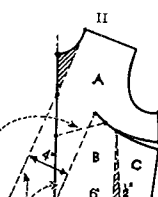
Trace yoke and front sections; then mark the tucks about 2" long. Add seams on all edges but center front of section B.

STYLE 3  
(Surplice Front)

I

Draw curved yoke line about 6-1/2" long, as shown by dotted line. Change the front dart to point toward the yoke seam line, as illustrated. Mark sections A and B.

Slash along dotted line of yoke; then close up dart to spread between A and B, as shown in diagram II.



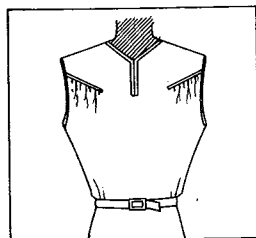
II

Draw diagonal lines of section A to waistline, as shown by dotted lines, making it 4" wide.

Reduce another 1/2" at waistline between B and C and bring together, as shown in diagram III.

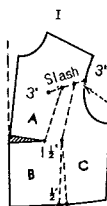
III

Allow seams on all edges and make corresponding notches.



ARMHOLE SLASH GATHERS

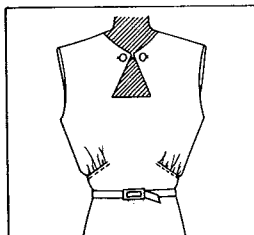
I  
Using the dress front foundation to waistline only, draw slash line from armhole (slightly slanting); then divide it into 3 parts and draw 2 lines down to bustline, as illustrated. Reduce  $1\frac{1}{2}$ " at the waistline, as shown by dotted lines. Mark sections A, B and C. Slash along dotted lines; then close up darts at front



and waistline, spreading between A-B and C for fullness, as shown in diagram II.

II  
Lower the neckline  $1\frac{1}{2}$ " at shoulder and  $1\frac{1}{2}$ " at center front.

III  
Allow seams on all edges but center front, and upper edge of armhole slash, which is to be bound.

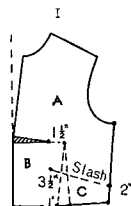


SLASH GATHERS NEAR WAISTLINE

I  
Draw slash line from side seam, as illustrated; then reduce at waistline, as shown by dotted lines. Mark sections A, B and C.

Slash along dotted line from the side; then slash along dotted lines from waistline up.

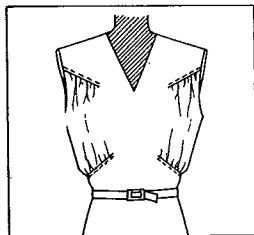
Cut away reduction at side of section C.



II  
Close up front dart to spread for fullness; then bring sections B and C together.

Draw neckline as shown by dotted lines.

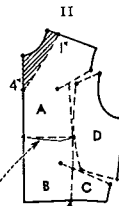
III  
Allow seams on all edges but center front, leaving on as much seam as possible at the slashed edges.



SLASH GATHERS AT ARMHOLE AND LOWER SIDE

I  
Draw the 2 slash lines; as described for the 2 upper problems; then draw vertical slash lines and reduce at waist, as illustrated. Mark sections A, B, C and D.

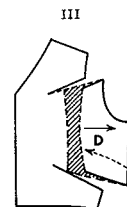
II  
Slash on dotted lines; then close up front dart and bring sections B and C together.



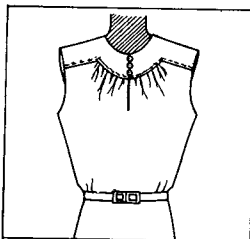
Draw V-neckline, as shown by dotted line.

III  
Spread section D, about  $1\frac{1}{2}$ ", for necessary additional fullness.

NOTE: The edge to be gathered, should measure about  $1\frac{1}{2}$  times the length of the plain edge. For Example: If the plain edge is  $5\frac{1}{2}$ " long, the edge to be gathered should be at least  $7\frac{1}{2}$ " long.

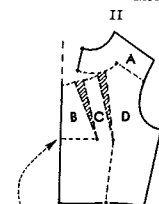
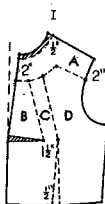


## GATHERS IN DRESS FRONT - 3 STYLES



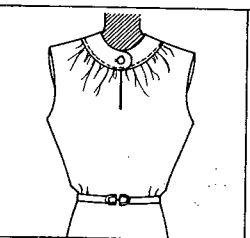
STYLE 1

I  
Lower neckline  $1\frac{1}{2}$ "; then draw yoke line  $2''$  below and parallel to shoulder and neckline. Reduce  $1\frac{1}{2}$ " at waistline, as shown by dotted lines. Divide curved part of yoke into 3 equal parts and draw 2 lines down as illustrated. Mark sections A, B, C and D.



II  
Cut out front; then slash and close up darts to spread for fullness between B, C and D.

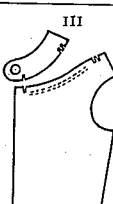
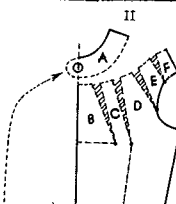
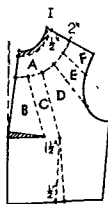
III  
Allow seams. Make corresponding notches.



STYLE 2

I  
Lower neckline  $1\frac{1}{2}$ "; then draw yoke line,  $2''$  below neckline.

Reduce  $1\frac{1}{2}$ " at waistline, as illustrated. Divide yoke line into 5 equal parts, and armhole into 3 parts; then draw lines from yoke to darts and armhole, as shown by dotted lines. Mark sections A to F.

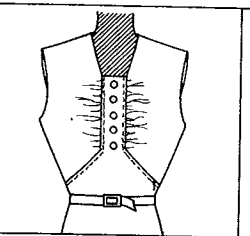


II  
Cut out front and separate yoke; then slash and close up the darts in front section to spread for fullness between B, C, D, E and F.

For overlap in yoke, extend  $1''$  at center front and make rounded outline.

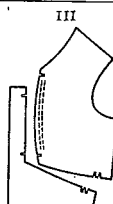
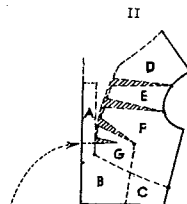
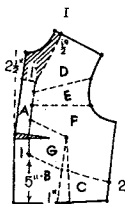
• NOTE: The edge to be gathered should measure at least  $1\frac{1}{2}$  times the length of the plain edge.

III  
Allow for seams and make corresponding notches.



STYLE 3

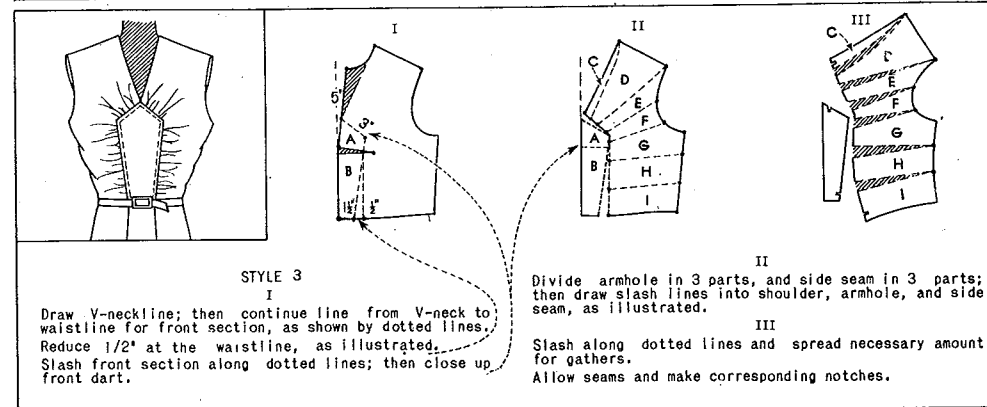
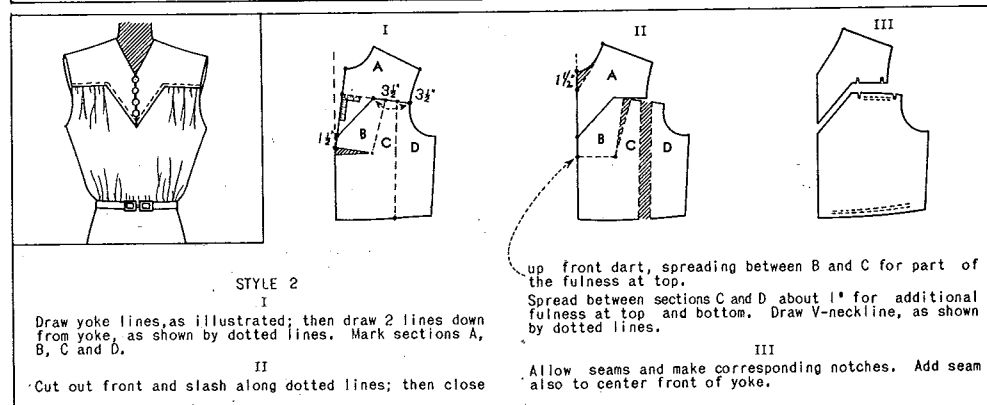
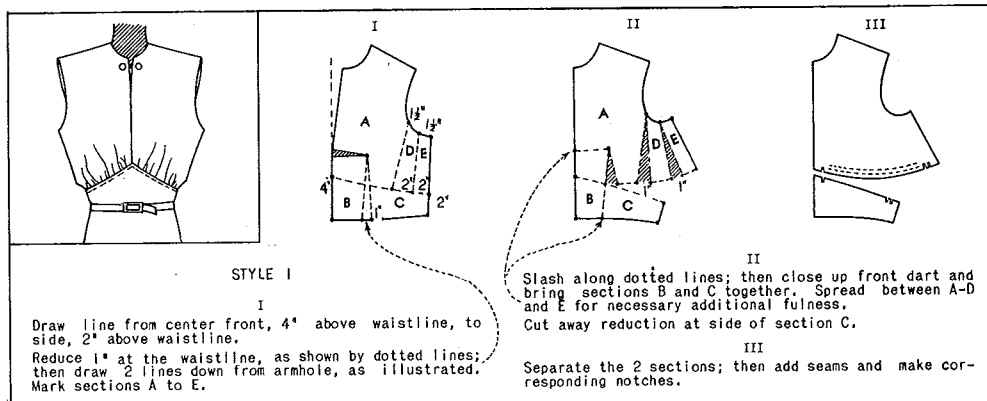
I  
Draw square neckline; then continue line down  $1''$  from center front and across to side, as shown by dotted lines. Reduce  $1''$  at the waistline, as illustrated. Divide section A in 4 parts and armhole in 3 parts; then draw 3 lines from section A, as shown by dotted lines. Mark sections A to G.

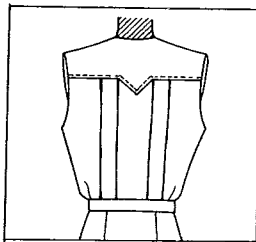


II  
Cut out front; then slash along dotted lines and close up front and waist darts, bringing sections A, B and C together. Spread between D, E, F and G for necessary fullness allowance.

III  
Separate the front sections; then allow seams and make corresponding notches.



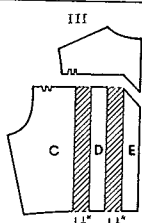
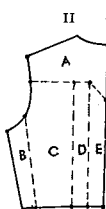
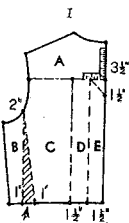




STYLE 1

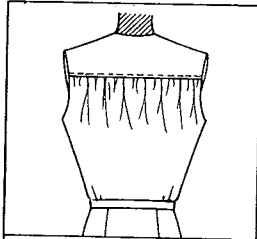
I

Use dress back foundation to waistline only as a guide. Draw yoke and pleat lines, as shown by dotted lines; then reduce 1" at the waistline, and mark sections A to E.



Bring sections B and C together to reduce at waistline.

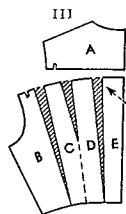
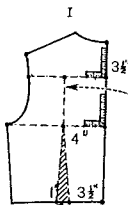
Separate yoke section from back; then slash along pleat lines, and spread about 1-1/2" for each pleat. Allow seams and make corresponding notches.



STYLE 2

I

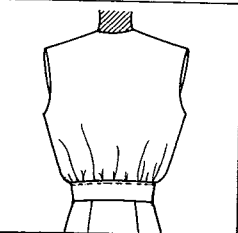
Trace back foundation and draw yoke and bustlines, shown by dotted lines. Reduce 1" at the waistline, then continue slash line to yoke.



then A to E. Slash along yoke line and down to dart between C and D; then close up dart, spreading at top for part of fullness.

Separate yoke; then slash along dotted lines from top to bottom, and spread for necessary additional fullness, as illustrated. Add seams.

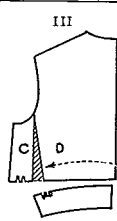
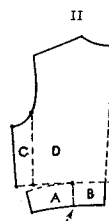
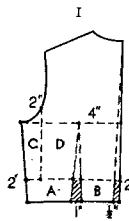
NOTE: The edge to be gathered should measure at least 1-1/2 times the length of the plain edge.



STYLE 3

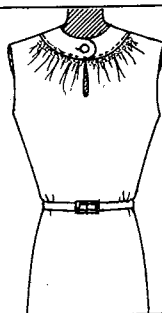
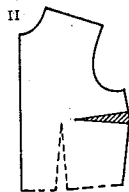
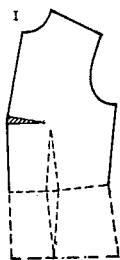
I

Trace back foundation; then draw bustline, and the lower seam line, as illustrated. Reduce at waistline in 2 places, as shown by dotted lines. Draw slash line from armhole down; then mark sections A, B, C and D.



Slash along lower seam line and bring sections A and B together for the fitted lower back. Cut away reduction at side of section A.

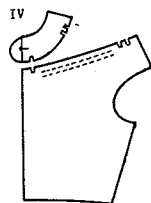
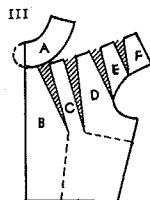
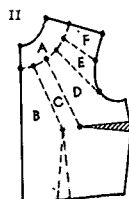
Slash from lower edge to armhole between C and D; then spread for additional fullness, as described for the above style. Allow for seams and make corresponding notches.



The above diagrams show 4 types of foundations used in various garment factories. The diagrams below show how the same style (as illustrated on the figure) can be drafted by using the side dart, shoulder dart or dartless front foundation as a guide, and attain the same result.



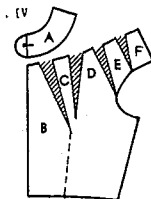
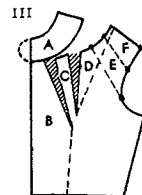
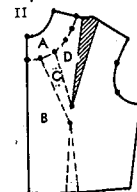
SIDE DART FOUNDATION



These four steps show how to draft pattern, using the side dart foundation as a guide. For measurements and other details for drafting, see page 22, Style 2.



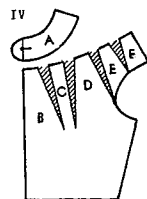
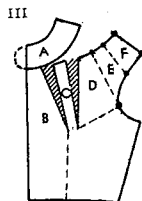
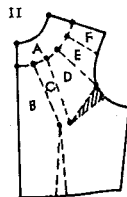
SHOULDER DART FOUNDATION



If shoulder dart foundation is to be used, these four diagrams show how to draft the pattern for the same style. (Note how part of the fulness for gathers is allowed, by closing up the shoulder dart).



DARTLESS FRONT FOUNDATION



A dartless front foundation has a larger armhole than the other foundations, as indicated by the notches. Diagrams II and III show how to reduce the fulness at armhole, by bringing the notches together, thus creating part of the fulness for gathers at the yoke seam line.

## DRAFT OF FULL LENGTH DRESS FOUNDATION

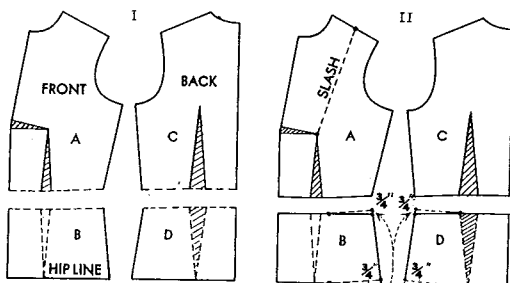
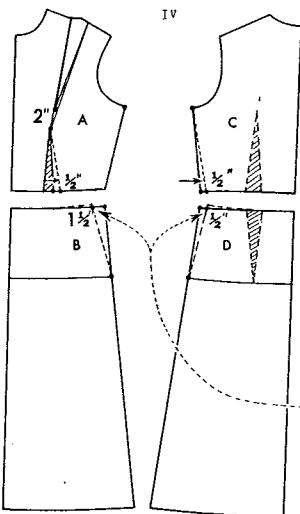


Illustration shows shoulder dart in front, waist darts in front and back of bodice, and waist darts in back of skirt.

Dress has about 5" ease around bust and 2" ease around hip (7" below waist). Waistline is close fitting.

Use the hip length dress foundation as a guide and trace front and back to waistline only (about 6" apart); then trace hip sections about 2" below waistline. Mark sections A to D.



Raise hip and waistline  $\frac{3}{4}$ " at side, gradually to nothing at center of hip sections as shown by dotted lines.

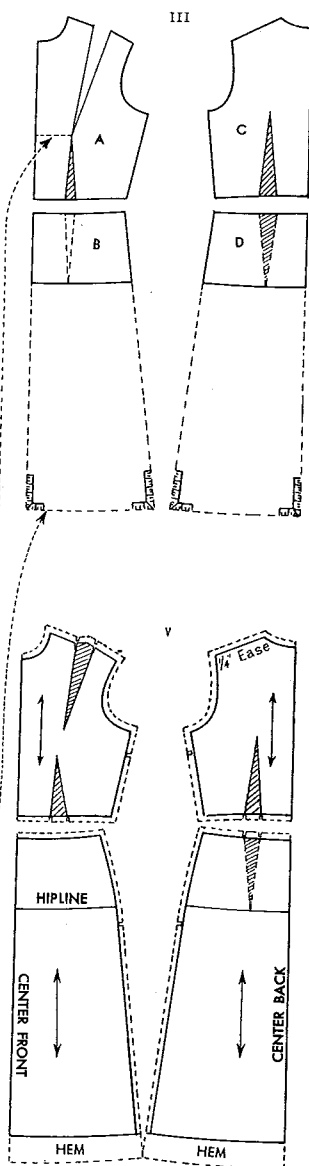
Draw shoulder dart line from center of shoulder to breast point; then slash and close up center front dart, spreading for shoulder dart as shown in diagram III.

For skirt, continue straight lines down below the hip sections, to required length. Draw lower edge of skirt, making the curved line parallel to the curved hipline.

Draw V-shaped dart in front from shoulder down to a point 2" above breast point.

For close fitting waistline, reduce at side seams of skirt and raising waistline  $\frac{1}{8}$ " at side as shown by dotted lines. Eliminate the dart in front of skirt.

Make waist dart in bodice front  $\frac{1}{2}$ " wider at waistline, and reduce  $\frac{1}{2}$ " at side of waistline in back as shown by dotted lines.



To complete the full length dress foundation, allow a 2" hem at bottom of skirt; then add seams on all sewing edges and make corresponding notches.

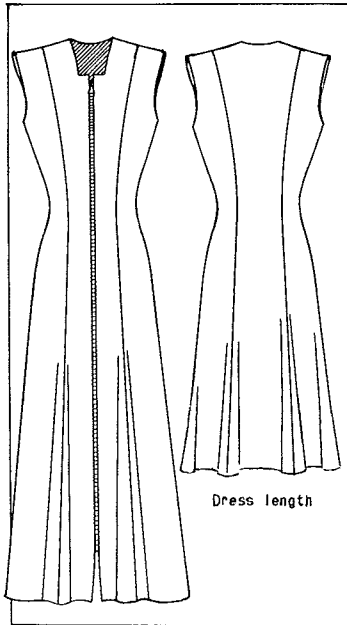
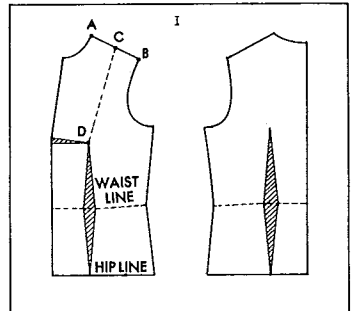
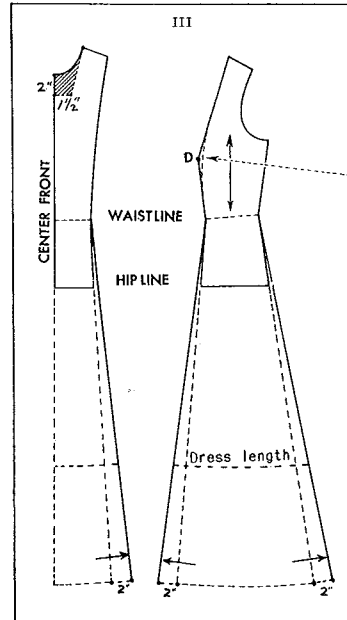
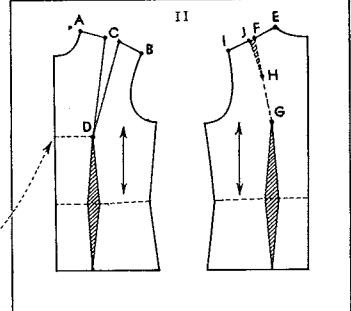


Illustration shows garment with square neckline and slide fastener closing in front. For house-coat make pattern ankle length.

I  
Using the dress (hip length), foundation as a guide, draft pattern as follows:  
Divide front into two parts.  
A to B - Equals front shoulder.  
A to C - Equals 1/2 of shoulder.  
C to D - Draw line from C to D, at top of dart.

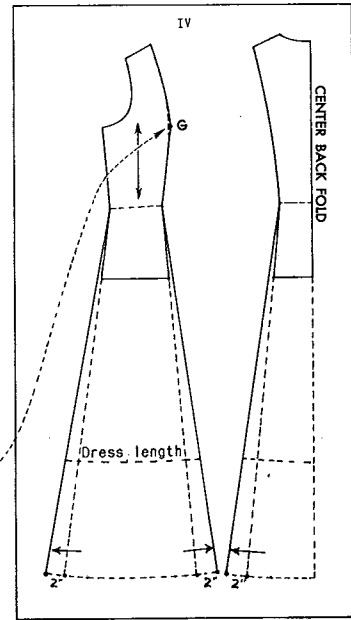


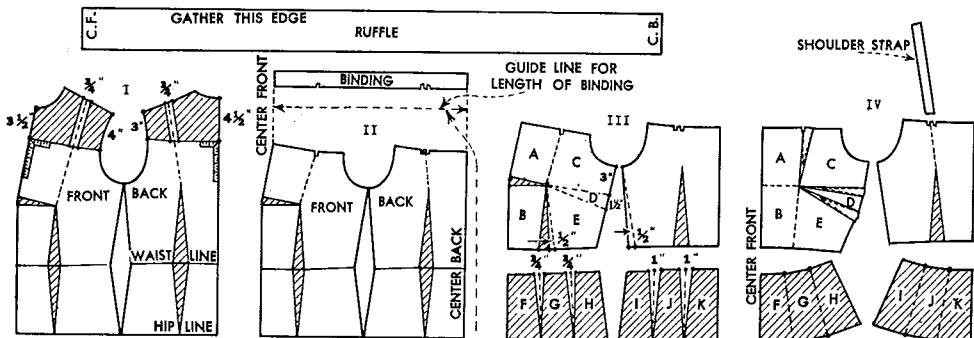
II  
Divide back into two parts.  
E to F - Equals A to C on front shoulder.  
F to G - Draw line from F to G, at top of dart.  
H - - - Center between F-G.  
I to J - Equals B to C on front shoulder.  
J to H - Connect.  
Slash front from shoulder, to point D and close up front dart as illustrated.  
Mark grain line arrows parallel to center front and back.



III  
Cut out front sections and trace about 8" apart.  
Continue straight lines down to required length; then shape bottom as shown by dotted lines.  
For additional flare at bottom, add 2" to each seam edge at bottom, to nothing at waistline.  
Draw slightly curved line in side section of front at point D.  
Draw square neckline, as shown by dotted lines.

IV  
Trace back sections and continue straight lines down; then draw bottom line as described for the front section.  
Draw slightly curved line at point G.  
Allow seams to complete the pattern.





Evening gown features "off the shoulder" neckline.

Neckedge is trimmed with a gathered ruffle.

The fitting over the bust in front is aided by two darts at side, and one dart under the ruffle just above the bust.

Skirt is circular with the fullness distributed evenly all around. When laid out flat, skirt forms a complete circle.

Using the hip length dress foundation, draft the lower neckline as indicated.

Draw shoulder strap lines in front and back, making strap  $3/4"$  wide.

Make strap in one piece as shown in diagram IV.

Draft length of neck binding to equal the distance from center front to center back as indicated. This gives the binding sufficient length to fit around the outer part of the arm.

Make corresponding notches at neckedge and binding which will also indicate the sewing positions for the shoulder strap.

Draft ruffle  $4"$  wide and 3 times the length of the neck binding.

GUIDE LINE FOR LENGTH OF BINDING

Trace the foundation to waistline only; then for close fitting waistline, make waist dart in front  $1/2"$  wider, and reduce waistline in back  $1/2"$ , as shown by dotted lines.

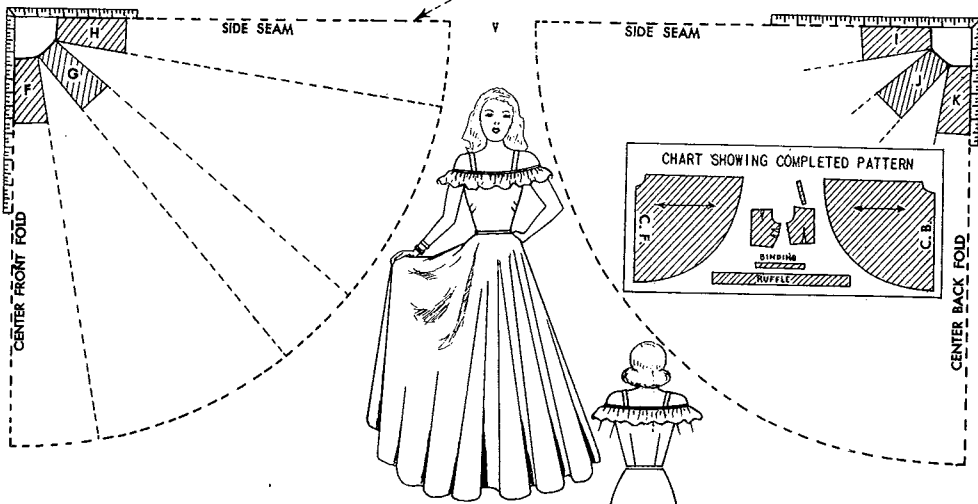
Draw side dart lines as indicated, and mark sections A to E. Slash along the 3 dart lines and spread by closing up the center front and waist darts, as shown in diagram IV. The 3 darts should be spaced evenly when spread apart. Make each dart  $2"$  shorter as indicated.

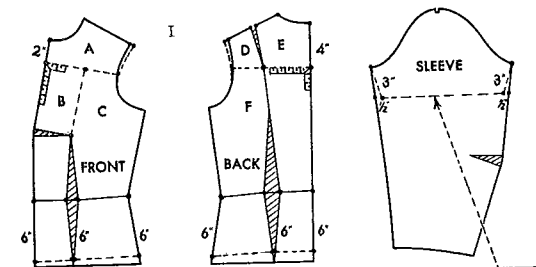
Trace the hip sections of the foundations, and divide each section into 3 equal spaces. Mark sections F to K. For close fitting waistline draw V-shaped lines, from waist to hipline, taking out specified amount.

Bring together F to G, and G to H as shown in diagram IV. Repeat for sections I-J-K.

For drafting the skirt front, make slashes in hip section from hip to waistline and spread, placing the hip section against the square as indicated.

For floor length skirt, continue straight lines down below hip as shown by dotted lines; then draw circular line at bottom. Repeat process for back of skirt.





This blouse features an inverted pleat in back - Slightly broader shoulders - Striped material with yokes, pocket and sleeve crosswise. Blouse is hip-length (6" below waistline), and is worn tucked into the skirt. The darts in front and back are joined below waistline only.

To draft blouse, use front, back, and sleeve of dress foundation as a guide.

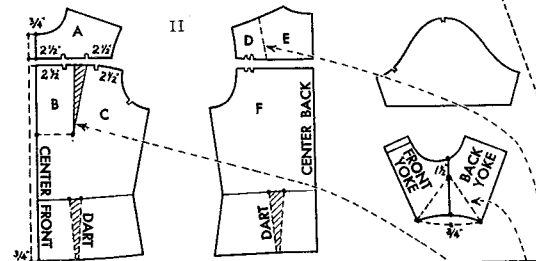
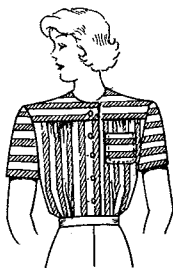
I

Make shoulders 1/4" broader, as shown by dotted lines.

Draw yoke lines in front and back by squaring across chest line in front, 2" below neck, and squaring across from center back, 4" below neck

Draw slash line for gathers in front, from center of yoke to breast point; then mark sections A to F. Draw lower blouse line, 6" below waistline.

Sleeve is 3' long at underarm seam and 1' narrower at bottom. Draw straight line across.

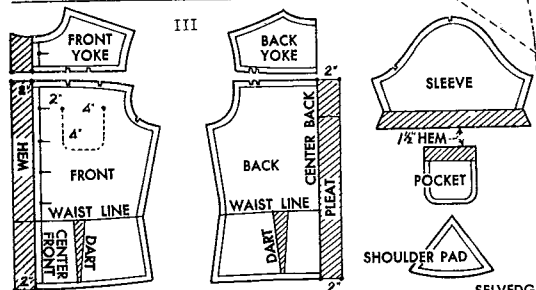


II

Separate yoke from front and back; then close 1/4" dart in back yoke between D and E. Slash front on line between B and C from yoke to breast point, and spread for gathers by closing up front dart.

For front closing overlap, add 3/4" to center front; then mark position for buttons and buttonholes, 3" apart, beginning the first at center of yoke.

Mark position for corresponding notches at yoke seams, sleeve and armhole.



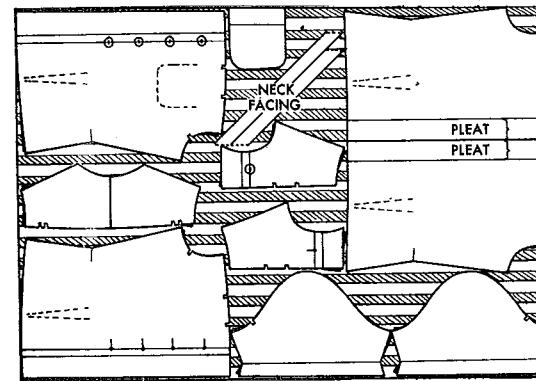
III

Mark position for a 4" x 4" pocket, 2" from center front and 2" below yoke; then trace.

Allow seams on all sections; then add hems and a pleat as illustrated.



Cutting layout to the left shows pattern pieces laid on one way striped material, 36" wide.



SELVEDGE

## BLOUSE WITH PEPLUM

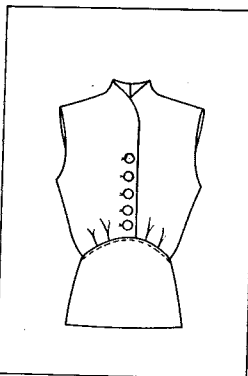
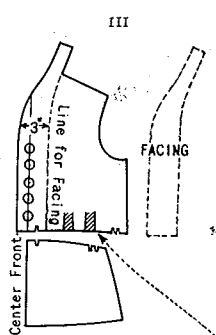
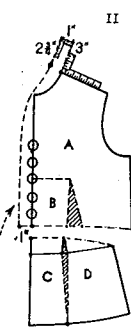
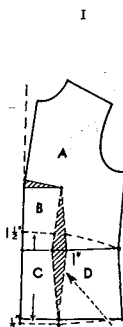


Illustration shows front view of blouse, with front and collar in one, and pleats at higher waistline.

I

Use dress front foundation (hip length), as a guide. Reduce 1" at the waistline, as shown by dotted lines. Draw higher waistline at center front to nothing at side.

Draw lower waistline to nothing at side. Mark sections A, B, C, and D.



II  
Cut out front and slash along higher waistline; then bring sections C and D together, and trace. Close up front dart and trace.

Make front 1" wider for overlap at center front, and add collar, 1" wide, from shoulder to center back as shown by dotted lines.

III

Add seams and make corresponding notches. Mark position for the 2 pleats at waistline.

Make a facing for front and collar as shown by dotted lines.

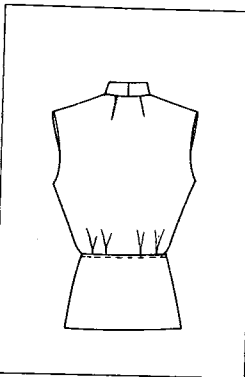
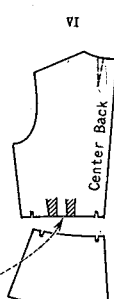
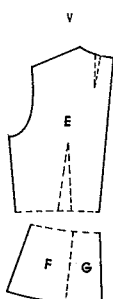
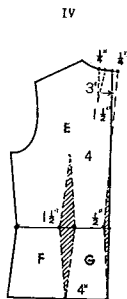


Illustration shows back view of blouse, with darts at neck, and pleats at waistline.

IV

Use dress back foundation (hip length), as a guide. Reduce at waistline in 2 places, as shown by dotted lines, extending the center back line 1/4" at neck. Draw V-shaped dart at neck, as illustrated. Mark sections E, F and G.



V  
Cut out back and slash along waistline; then bring sections F and G together for a fitted peplum.

VI  
Trace the back sections, allowing for seams on all edges but center back. Make corresponding notches and mark position for the 2 pleats to replace the dart.



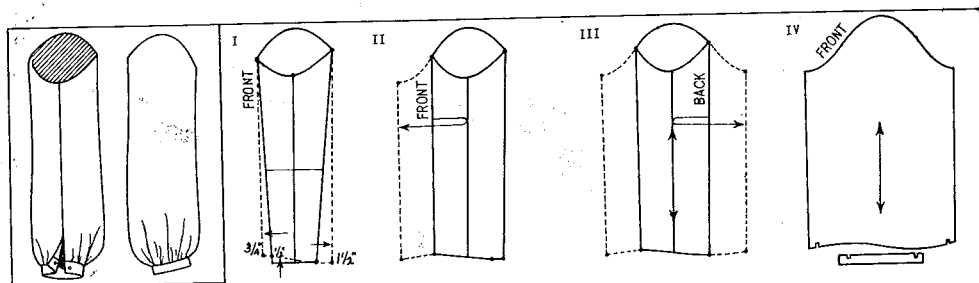


Illustration shows sleeve gathered into a wristband, 1" wide.

Trace sleeve draft according to the outline of the draft on page 12, diagram VI; then draft sleeve for this style as shown by dotted lines.

First trace front part of sleeve and open; then trace back of sleeve.

Make wristband 1" wide and the required length (about 7-1/2" for size 16). Allow seams on all edges of sleeve and band. Band is usually made double.

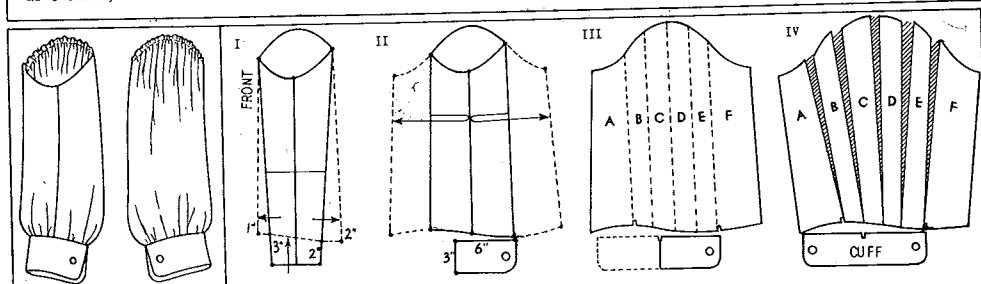


Illustration shows sleeve gathered at top and bottom with a cuff 3" wide.

First trace sleeve draft as described for Style I; then draft sleeve for this style as shown by dotted lines.

Trace and, open sleeve; then draft 1/2 of cuff as il-

lustrated (the entire cuff is about 12" long for size 16).

Divide top of cap into 4 parts and draw dotted lines, as illustrated. Mark sections A to F. Slash from top to bottom and spread about 1" at top of each slash. Allow seams on all edges of sleeve and cuff.

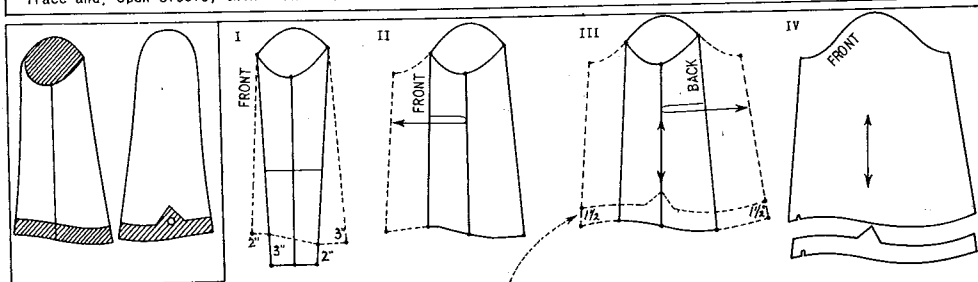


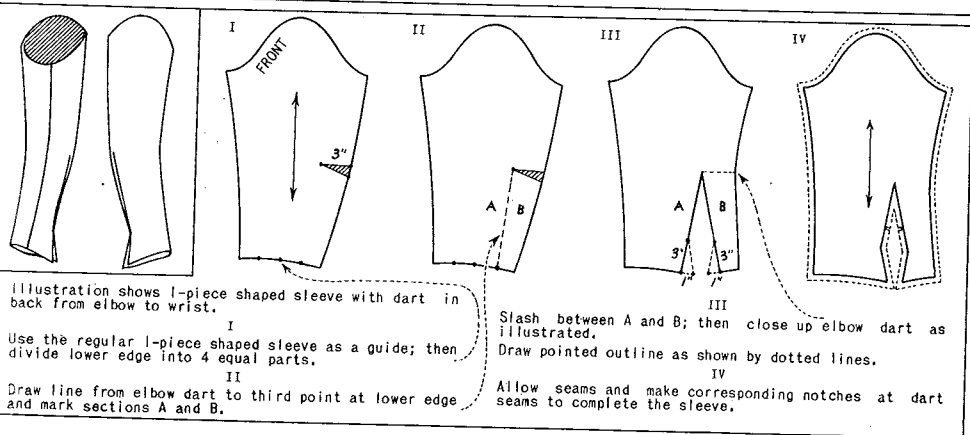
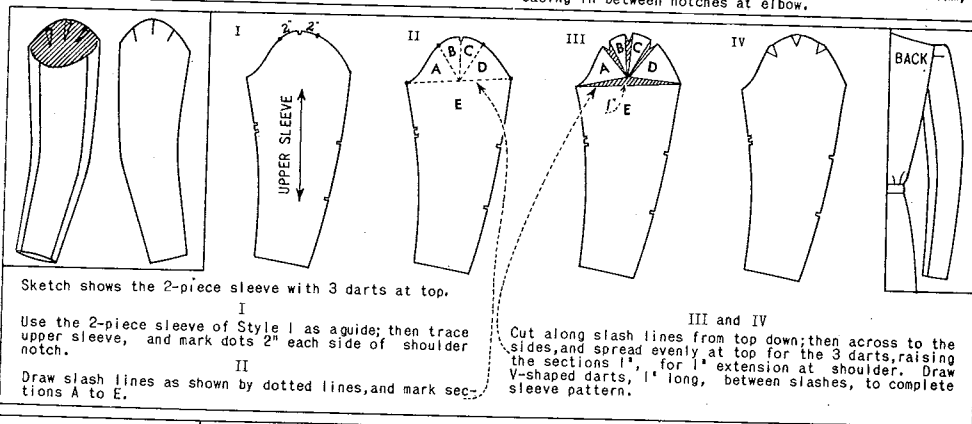
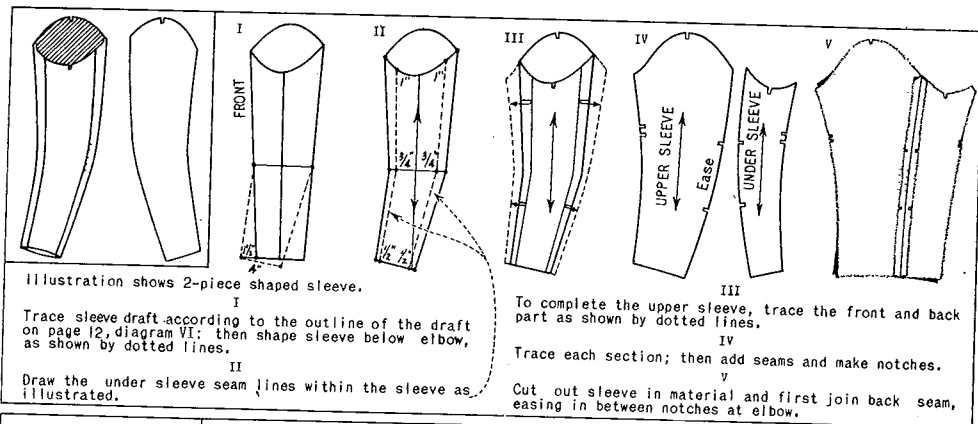
Illustration shows bell sleeve about 3/4 length.

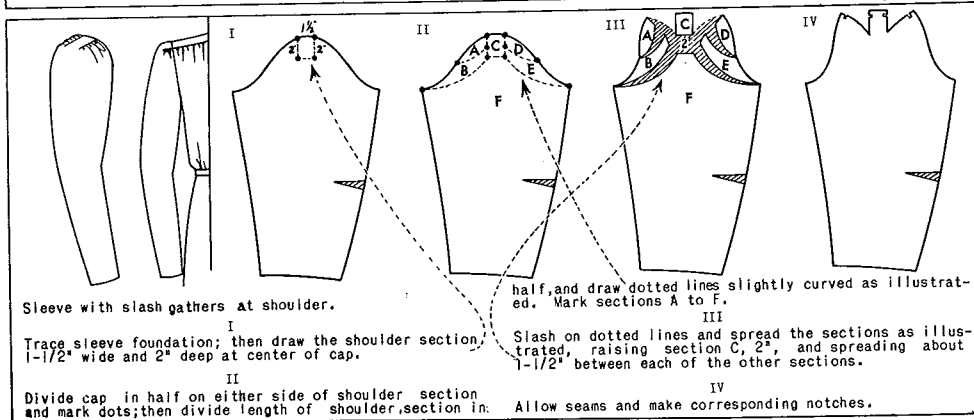
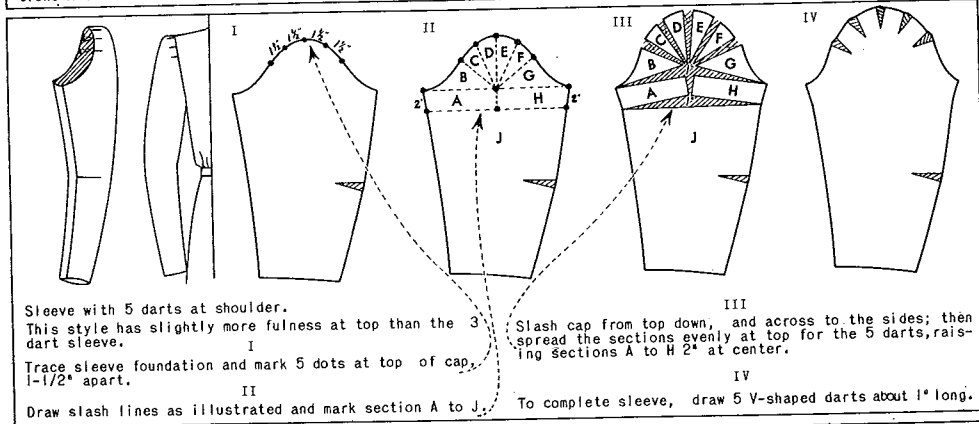
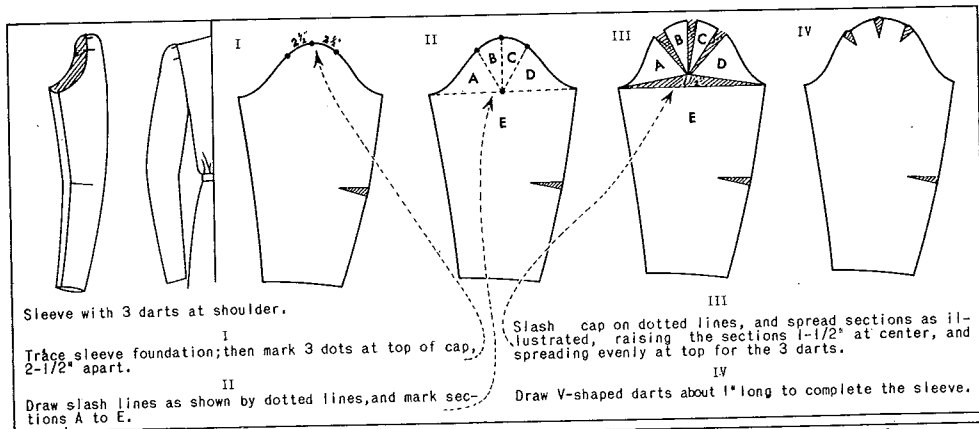
Trace the outline of the sleeve draft as described for Style I; then draft the bell sleeve as shown by dotted lines.

Trace and open front part of sleeve.

Trace and open back of sleeve; then draft shaped trimming band as illustrated.

Trace band; then allow seams on all edges. Mark grain line arrow.





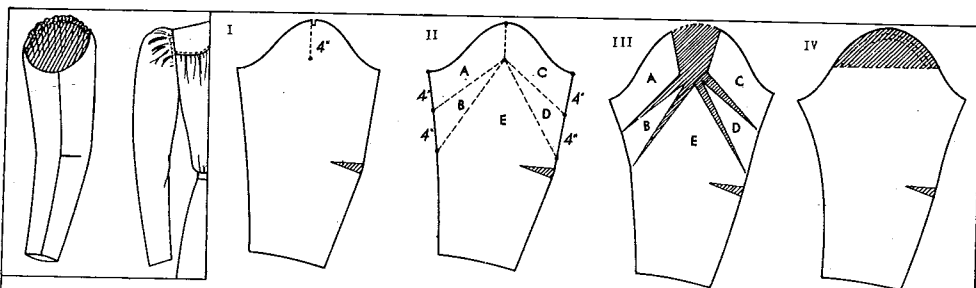


Illustration shows sleeve with great amount of fullness at top, but fitted from elbow to wrist.

I

Use the 1-piece shaped sleeve pattern as a guide, and mark a line down 4" long from the shoulder notch.

II

Mark position for slash lines, 4" apart on either side of the sleeve; then draw the lines as shown by dotted

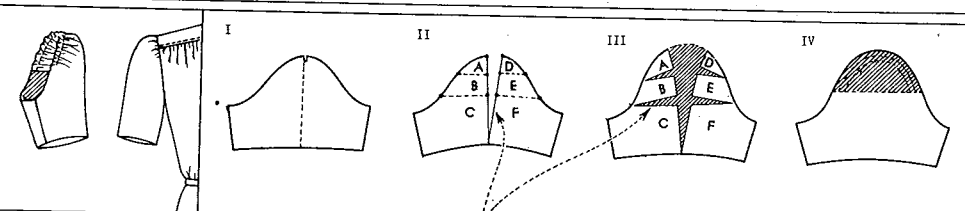
lines and mark sections A to E.

III

Slash along dotted lines and spread as illustrated, making the spread at top about 4".

IV

Shaded part of sleeve is about 4" deep and is to be stiffened with interlining:



Sketch shows sleeve gathered at top but is fitted closer at the bicep than Style 1 sleeve.

I

Trace short sleeve and draw line through center.

II

Divide sleeve cap into 6 equal parts; then draw 2 lines straight across as shown by dotted lines. Mark sections

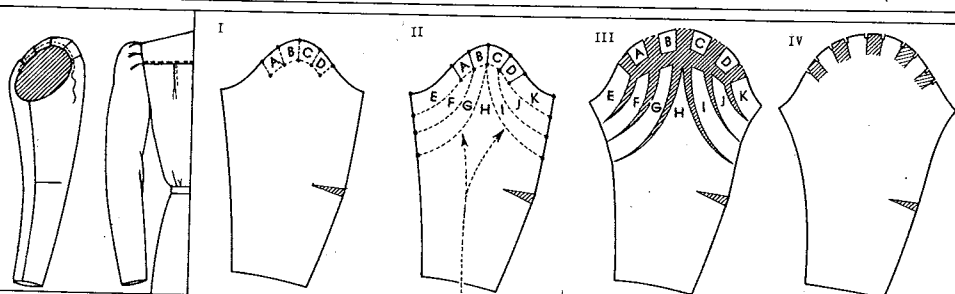
A to F.

III

Slash through center from top to bottom; then across along dotted lines and spread as illustrated, making the spread at top about 4".

IV

Make sleeve stiffening for top of sleeve 4" deep.



Sleeve has 5 pleats at top, all pressed toward the back.

I

Trace the 1-piece shaped sleeve and mark the positions for pleats 2" apart at top, 2" long, and 1-1/2" apart at bottom. Mark sections A to D.

II

Mark positions for the slash lines, 2" apart on either

side of the sleeve; then draw slightly curved lines as shown by dotted lines. Mark sections E to K.

III

Slash along dotted lines and spread as illustrated, making the spread for each pleat 1-1/2" wide.

IV

Trace sleeve and mark the pleat lines as illustrated.

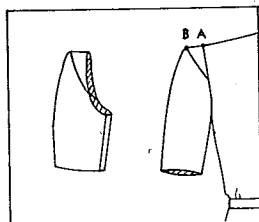
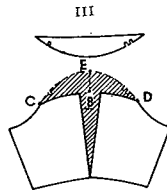
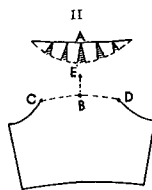
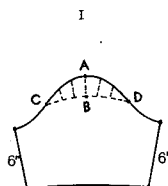


Illustration shows sleeve with crescent shaped section at top of cap. This section is padded with interlining to help the sleeve extend as illustrated.

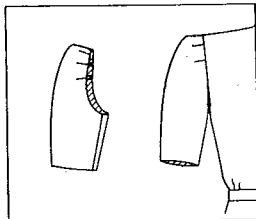
Trace sleeve foundation 6' long; then mark points A-B-C and D. Make A to B 1-1/2"; A to C and A to D about 4". Connect C to D through B; then divide into 6 parts as shown by dotted lines. Cut out sleeve; then cut through



from C to B to D. Make slashes in upper part and spread, forming slightly curved line at top, as shown in diagram II.

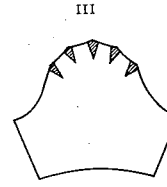
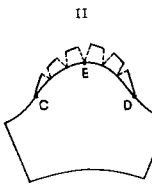
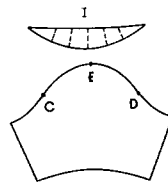
II  
B to E equals B to A plus 1/2" (this is to build up the sleeve a little above the shoulder).

III  
Slash through center from top to bottom. Build up sleeve, by drawing a curved line from C to E to D and spread, so that the curved line equals lower edge of the crescent shaped piece. Allow seams.



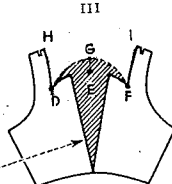
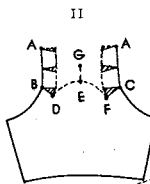
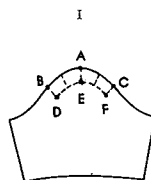
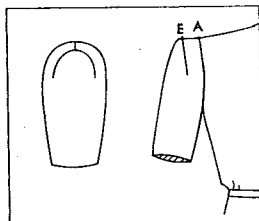
This sleeve has 5 darts and has the same fitting effect as the above style. The top of sleeve is also padded, using the crescent shaped piece as a guide.

Use the completed sleeve sections of the above style as a guide. Divide the crescent shaped piece into 6 parts, making the 4 center spaces 1-1/2" wide at top, and 1-3/4" at bottom.



II  
Slash crescent shaped piece along dotted lines from top to bottom and spread; then arrange over cap of sleeve between C and D, and trace.

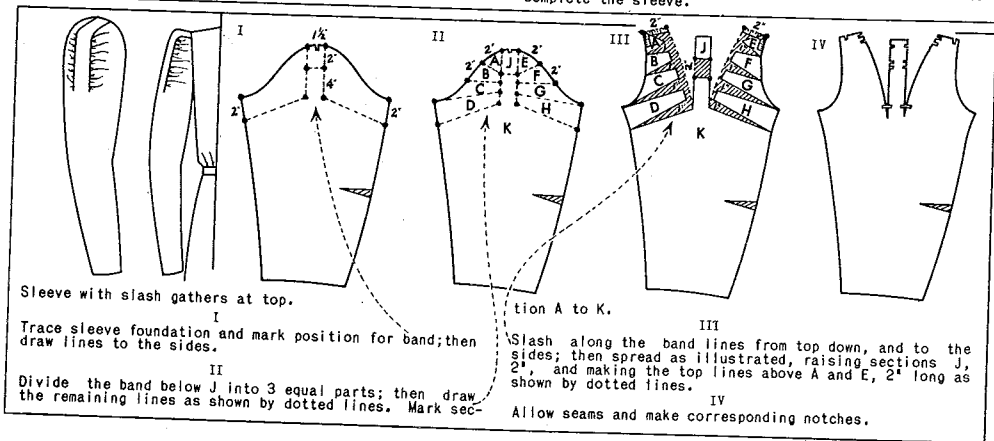
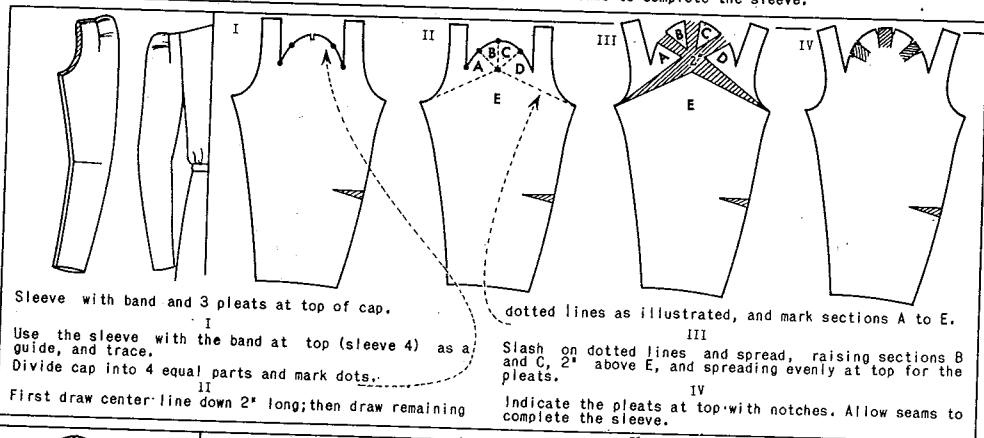
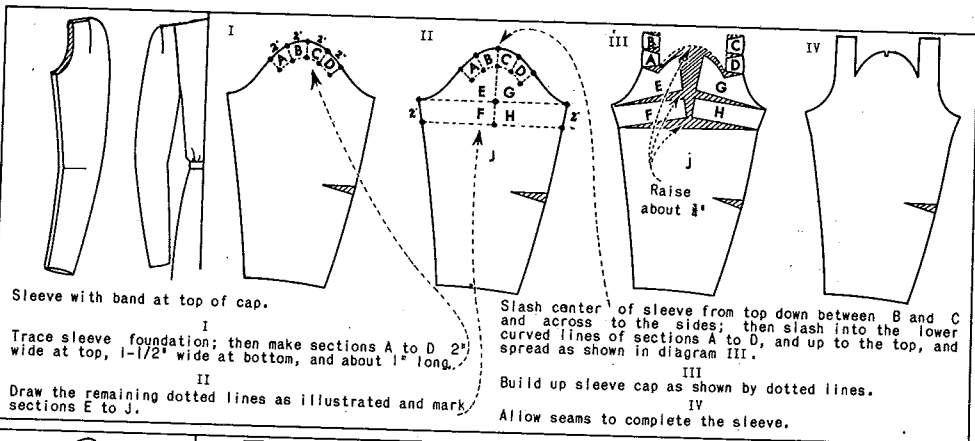
III  
The V-shaped lines form the darts. To complete the sleeve pattern, allow seams on all edges. Use the crescent shaped piece in its original outline for an interlining pattern, to pad top of sleeve.

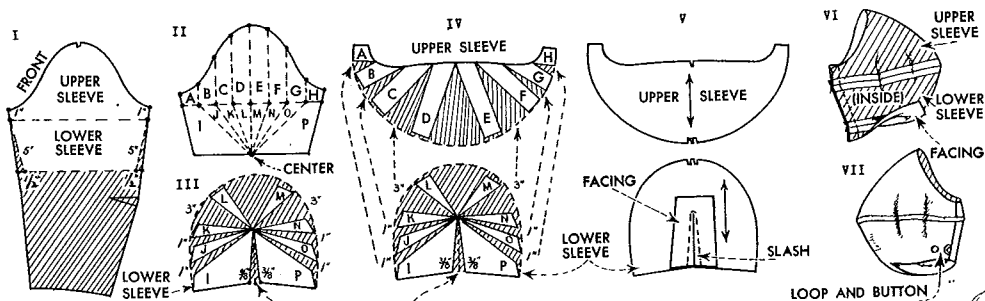


Trace sleeve foundation 6' long; then mark points A-B and C, making A to B and A to C about 4". Draw a short circular line parallel to and about 1" below the cap of sleeve, and mark points D-E and F; then divide into 4 parts as shown by dotted lines. Slash from A to E, and from E to F, and E to D; then make remainder of slashes along dotted lines to top of cap and spread as shown in diagram II.

II  
E to G equals E to A (diagram I). This is to build up the sleeve for square shoulder effect.

III  
Slash through center from top to bottom. Build up sleeve by drawing a curved line from D to G to F, making D to G correspond with D to H, and F to G with F to I. Allow seams on all edges.





### STYLE I (Lantern Design)

The lower sleeve is so cut that the arm opening is on the straight grain, thus keeping the opening from stretching.

Trace the sleeve foundation; then draft sleeve 6" long at underarm seam.

Divide sleeve in 2 parts, making upper sleeve 1" long at underarm seam.

Draft lower sleeve 1/2" narrower each side of the underarm seam at lower edge.

Divide upper sleeve into 8 equally spaced parts, and mark sections A to H; then divide lower sleeve into 8 parts as shown by dotted lines. Mark sections I to P.

Separate lower sleeve section from the upper section; then make slashes from top to lower edge, and spread as illustrated, leaving seam allowance space at sleeve opening between sections I and P.

Make slashes in upper sleeve from lower edge up and spread as illustrated, making the space between A and B equal the space between I and J, etc.

Allow seams and make corresponding notches; then cut out sleeve in fabric.

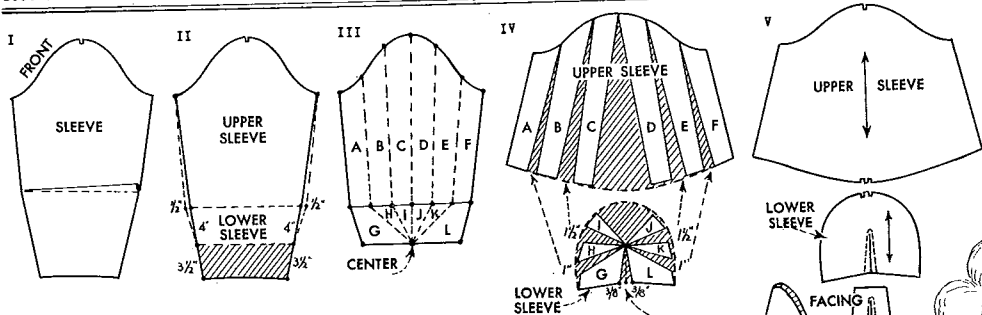
Cut a facing, 1" longer than opening, and 2-1/2" wide; then sew to lower sleeve, right sides together, tapering seam, as illustrated. Slash through center for opening; then turn facing to inside as shown in diagram VI.

Sew lower sleeve to upper sleeve. Press seam open; then join underarm seam of sleeve and facing (opening out the facing).

Turn facing to inside again, and slipstitch inner edge to position.

For closer fit around arm, sew a loop and button at lower underarm seam.

STYLE I



### STYLE 2

This sleeve is about 3/4 length and may be worn pushed up toward the elbow. The method of making pattern for lower sleeve is similar to style I.

Take out elbow dart in sleeve foundation by making a tuck in back of sleeve to nothing in front as illustrated. Trace.

Draft sleeve 3-1/2" shorter; then divide sleeve in 2 sections, making lower sleeve 4" long. Broaden sleeve slightly below elbow as shown by dotted lines.

Divide upper sleeve into 6 equally spaced parts, and mark sections A to F; then divide lower sleeve as illustrated, and mark sections G to L.

Separate lower sleeve from the upper section; then make slashes from top to bottom and spread as indicated; leaving seam allowance space at sleeve opening between sections G and L. (The space between sections I and J is automatic).

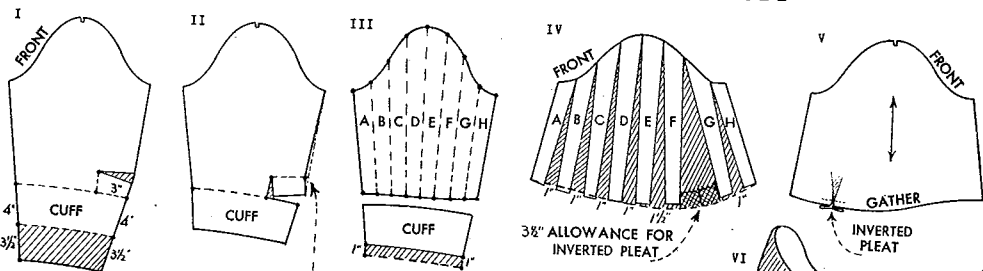
Make slashes in upper sleeve from lower edge to the top and spread as illustrated, making the space between A and B equal the space of the lower sleeve between G and H, etc.

Allow seams and make corresponding notches. Make a facing, 1" longer than sleeve opening and 2-1/2" wide.

To make sleeve in fabric, use directions given above for style I.

STYLE 2

## PUSH-UP SLEEVE DRAFTS - 2 STYLES



## STYLE 3

Sketch shows 3/4 length sleeve with cuff pushed up toward the elbow.

Sleeve has allowance for gathers to make it puff around the arm. In addition, the sleeve has an extra allowance for an inverted pleat in the back, to give it greater fullness at that point.

I  
Draft sleeve 3-1/2" shorter; then make cuff 4" deep as indicated. Slash from cuff to elbow dart; then close up dart as shown in diagram II.

II  
Straighten the back seam line as shown by dotted lines; then separate cuff and add 1" for hem as shown in diagram III.

III  
Divide sleeve into 8 equally spaced

parts and mark sections, A to H.

IV  
Make slashes from bottom to cap of sleeve and spread as indicated; then draw bottom line of sleeve as shown by dotted line, making sleeve about 1/2" shorter between sections B and C, and about 1/2" longer between sections F and G.

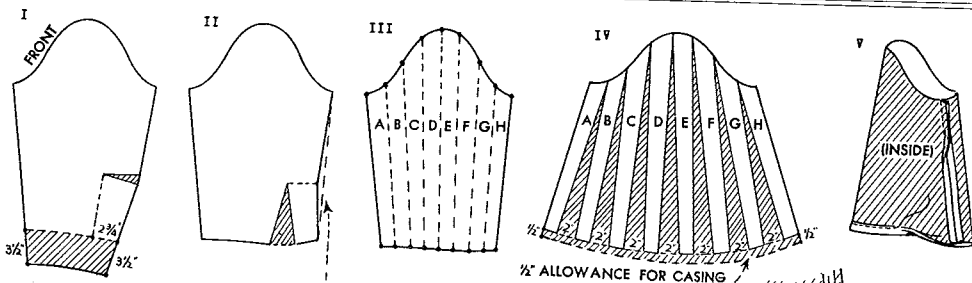
Allow seams in sleeve and cuff; then cut out in fabric.

V and VI  
Make the inverted pleat before gathering lower edge; then join to upper edge of cuff.

Join underarm seam of sleeve and cuff, and press seam open. Hem bottom of cuff.

VII  
Showing sleeve, right side out.

STYLE 3



## STYLE 4

This sleeve (about 3/4 length) is similar to style 3 sleeve, but instead of a cuff at lower edge, sleeve is finished with a casing and elastic to hold sleeve in position, just below the elbow.

I  
Draft sleeve 3-1/2" shorter; then slash from bottom to elbow dart and close up dart as shown in diagram II.

II  
Straighten the back seam line as indicated.

III  
Divide sleeve into 8 equally spaced parts, and mark sections A to H.

IV  
Make slashes from lower edge to cap of sleeve and spread 2" at each slash.

Add 1/2" for casing at lower edge. Allow seams to complete the pattern.

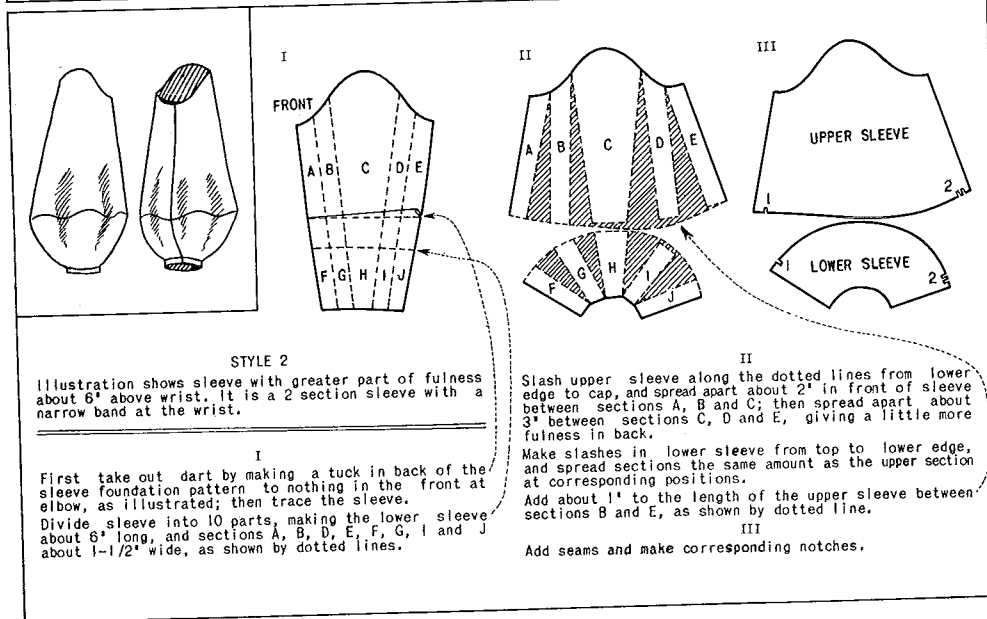
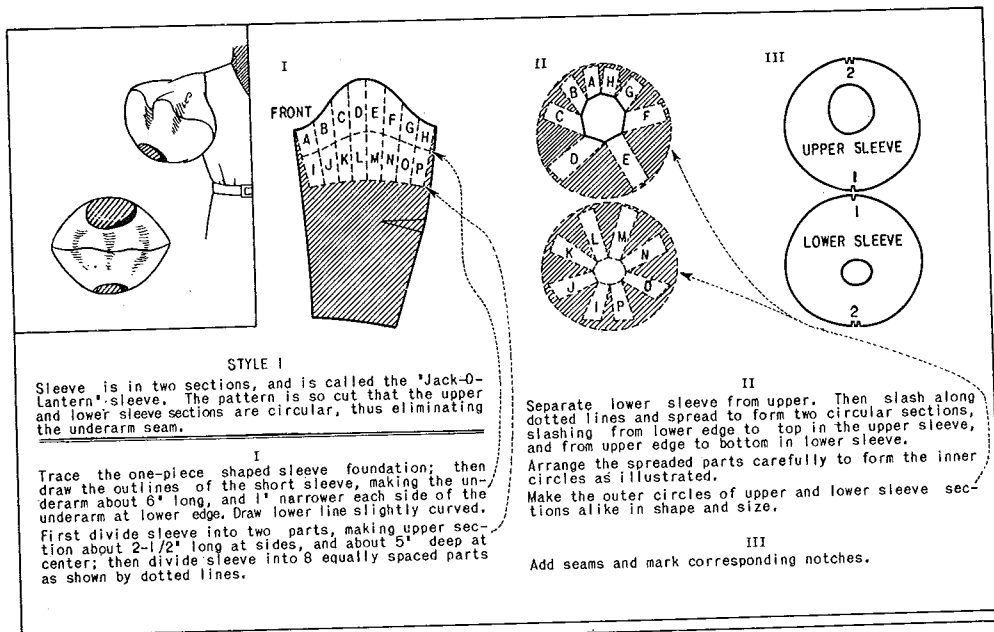
V  
To make sleeve in fabric, first join underarm seam, and press seam open; then make casing at lower edge, leaving a small opening at underarm seam to insert elastic.

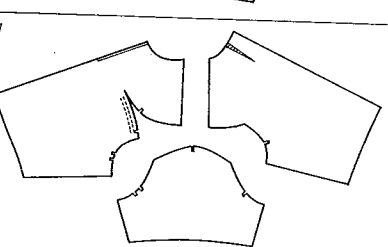
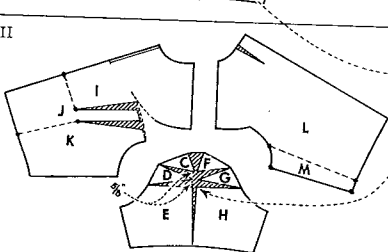
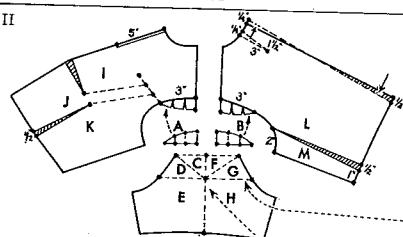
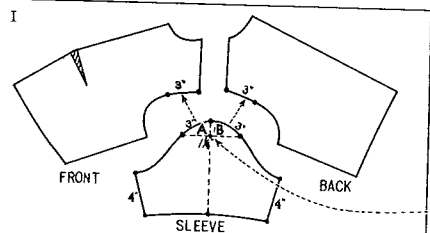
VI  
Insert elastic (about 1/4" wide) and fasten ends together.

VII  
Showing finished sleeve, right side out.

STYLE 4







## STYLE I

Illustration shows shoulder extended about 1-1/4" beyond the regular armhole.

I

Use the dress foundation of the Front, Back and Sleeve as a guide.

Cut off part of sleeve cap and apply to armhole at front and back for extended shoulder, as follows:

First draw a line through center of sleeve; then mark a dot 1-1/4" from top along the center line, and mark dots on cap of sleeve, 3" each side of the shoulder point. Mark sections A and B; then mark dots along armhole of front and back 3" from shoulder seam.

II

Apply sections A and B to corresponding position at armhole as follows:

Divide sections A and B into 3 equal parts; then make slashes from lower edge up and apply to armhole, spreading sections slightly as illustrated.

The sleeve cap now requires the 1-1/4" build up as follows:

Divide each side of cap in half and mark dots; then draw line between dots. Draw the diagonal lines as illustrated and mark sections C to H.

Slash through center, from top down; then across into the cap, and spread as shown in diagram III, bringing sections C and F up 1-1/4" (or 5/8" in two places) to equal the amount cut away at top of cap.

For armhole slash gathers, draw slash lines as shown by dotted lines, and mark sections I to K; then slash and spread as shown in diagram I, closing up front dart and reducing 1/2" at waistline.

For back, draw new center back line by reducing 1/2" at waistline and extending 1/4" at neck for a 1/4" neck dart.

Reduce another 1/2" at waistline near side seam, and mark sections L and M.

III and IV

Diagrams show waistline reduced and allowance made for gathers at armhole.

## HOW TO MAKE SHOULDER PAD PATTERN

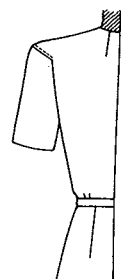
A - Trace front and back, placing pattern shoulder to shoulder and even at armhole.

Draw outline of pad, 1-1/2" from neck line to the corners of armhole as illustrated.

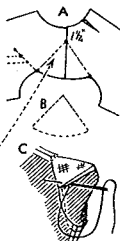
B - Shows completed shoulder pad pattern.

C - Shows pad being tacked to correct position on inside of garment.

## STYLE I



## SHOULDER PAD



## STYLE 2

Sketch shows garment same as in Style I, but with sleeves gathered at top, and extended about 3/4" beyond the shoulder.

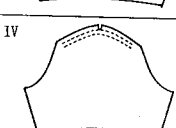
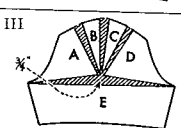
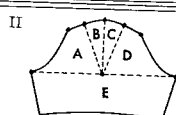
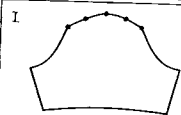
I and II

Use sleeve of Style I; then divide upper line into 4 equal parts. Draw slash lines and mark sections A to E.

III and IV

Slash on dotted lines and spread, raising sections above E, 3/4" for the required sleeve extension beyond the shoulder.

## STYLE 2



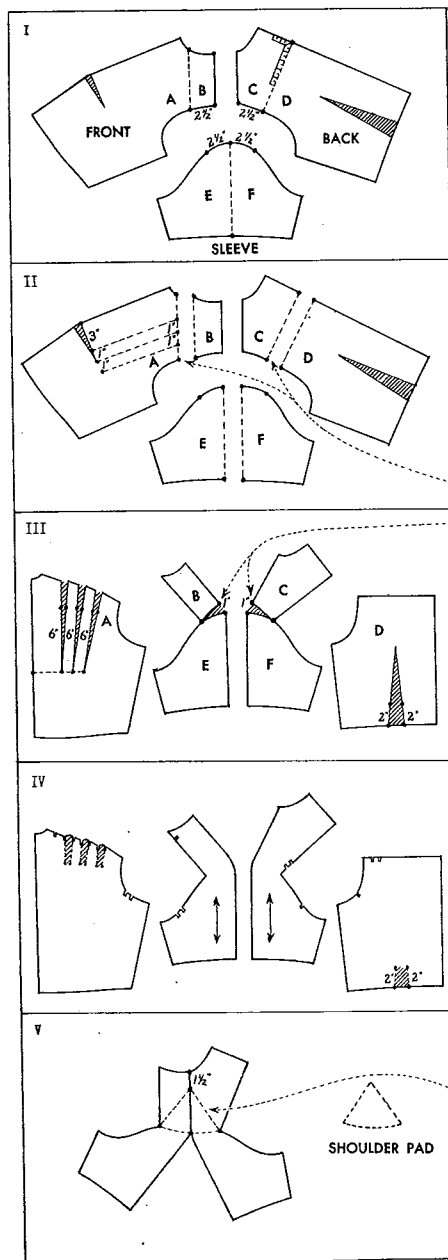


Illustration shows shoulder extended about 1" beyond the regular armhole. The pad holds shoulder of yoke in position. The sleeve is in two parts with seam through center.

I

Trace the dress foundation of the Front, Back and Sleeve; then draw the yoke seam lines on front and back as shown by dotted lines, and mark sections A to D.

Draw a line through center of sleeve and mark sections E and F.

Mark dots on cap of sleeve, 2-1/2" each side of the center line.

II

Cut through center of sleeve; then cut away yoke sections and place at corresponding position on sleeve cap, leaving 1" space between yoke and sleeve (for the extended shoulder) as shown in diagram III.

For shoulder tucks, draw 3 lines, 1" apart.

III

Slash along tuck lines and spread, closing up front dart, and thus making straight center front line.

Make pleat in back at waistline, 2" high along the dart lines.

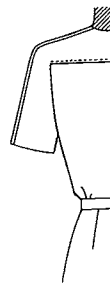
IV

Diagram shows completed pattern for waist and sleeve.

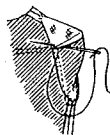
V

To make shoulder pad pattern, place yoke sections, shoulder to shoulder, and even at neckline; then draw outline of pad, 1-1/2" from neckline to corners of armhole as shown by dotted lines.

Illustration at right shows pad being tacked to correct position on inside of garment.

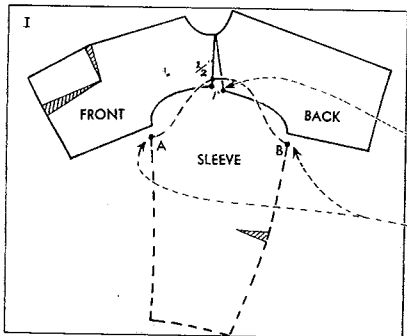


SHOULDER PAD



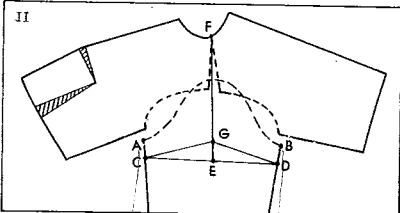
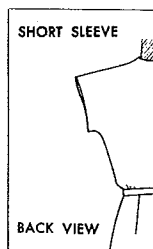
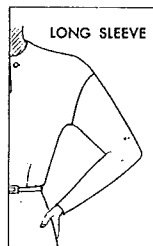
## KIMONO SLEEVE DRAFT

The following diagrams show how to draft the kimono sleeve, using the dress front, back and sleeve foundation pattern as a guide.

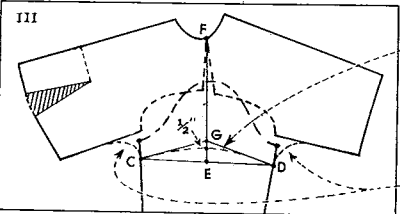


I  
Chart shows front and back traced with shoulders even at neckline, and  $1''$  apart at armhole. (For shoulder pad allowance, make space between front and back at armhole  $1\frac{1}{2}''$  instead of  $1''$ .)

Place sleeve with top of cap overlapping  $\frac{1}{2}''$  beyond the front armhole at shoulder, and having points A and B at even distances from armhole and underarm seams of front and back; then trace sleeve as shown by dotted lines.



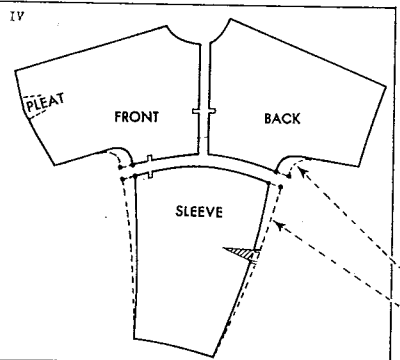
II  
A to C -  $1\frac{1}{2}''$   
B to D -  $1\frac{1}{2}''$   
C to D - Connect  
C to E - Half of C to D  
E to F - Connect for shoulder seam line.  
E to G -  $2''$   
C to G - Connect  
G to D - Connect



III  
Draw curved line from C to D, passing  $\frac{1}{2}''$  below point G.  
This becomes the seam line for the dropped shoulder style and divides the front and back from the sleeve.  
This seam is considered practical from the standpoint that the garment can be cut most economically in narrow width of material.  
The seam thus cut becomes the style feature of garment and gives the appearance of a dropped shoulder.

Draw curved line at each side of the underarm seam above points C and D, as shown by dotted lines.

Close up front dart, spreading dart at waistline for a pleat.



IV  
Shows completed kimono front, back and sleeve.  
Seams are to be allowed.

Notches should be made at corresponding edges.

The kimono sleeve lacks the tailored appearance of the raglan or set-in sleeve. For best results, soft and thin materials should be used for the kimono sleeve design. If the material is wide enough, the sleeve may be made in one piece with the front and back.

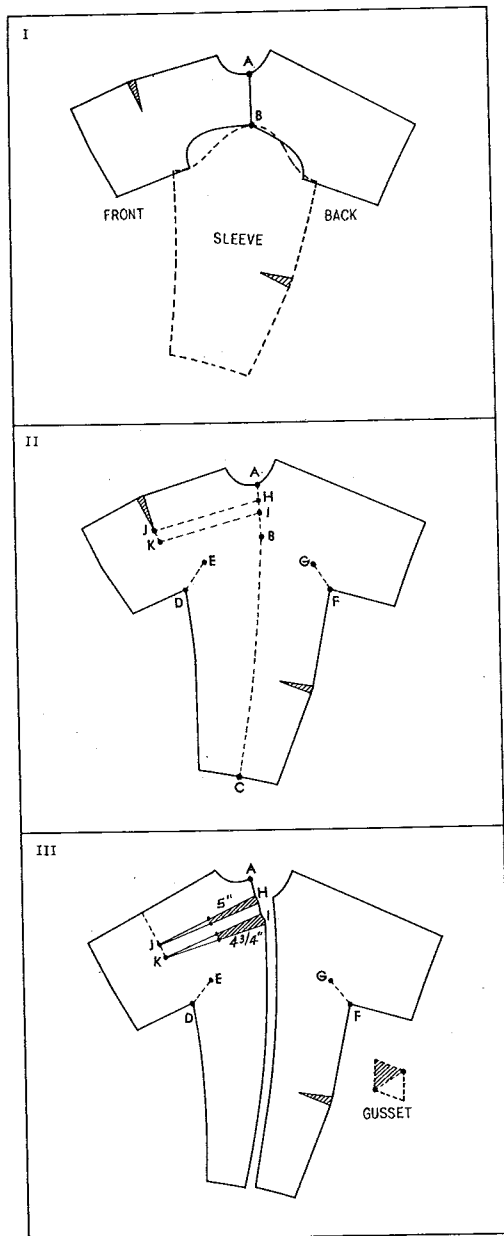
It is called a kimono sleeve style because the regular armhole is eliminated.

For short kimono sleeve style, use the front and back only as shown in diagram IV. Lower armhole edge may be finished with a narrow facing, band or cuff.

## FOR DEEPER ARMHOLE AND WIDER SLEEVE

For deeper armhole, add  $1\frac{1}{2}''$  to each side of front and back as shown by dotted lines.

For wider sleeve, add  $1\frac{1}{2}''$  on each side of sleeve at top, to nothing at bottom as indicated.



Illustrations below show 2-piece kimono sleeve with gusset under the arm.

This style sleeve is most suitable in heavier material, such as velveteen, woolen material, etc.

A kimono sleeve with a gusset allows the arm to raise more easily, and when the arm is dropped, the sleeve appears more tailored than the kimono sleeve without the gusset.

### I

Trace front and back foundation, placing pattern, shoulder to shoulder, and even at neckline. Mark points A and B.

Place sleeve foundation with top of cap touching front armhole at point B; (sleeve must be balanced evenly on both sides at underarm seams) then trace sleeve as shown by dotted lines.

### II

Divide width of sleeve in half from point B to lower edge, point C, as shown by dotted line.

Draw diagonal slash lines for gusset, 3" long, from D to E, and from F to G. The angle of these lines can be located by placing ruler from D to A and F to A.

For shoulder pleats in front draw lines as follows:

A to H - 1-1/2".

H to I - 1".

J to K - 1".

H to J - Connect.

I to K - Connect.

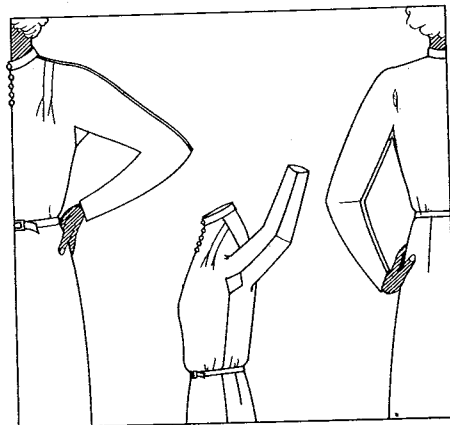
### III

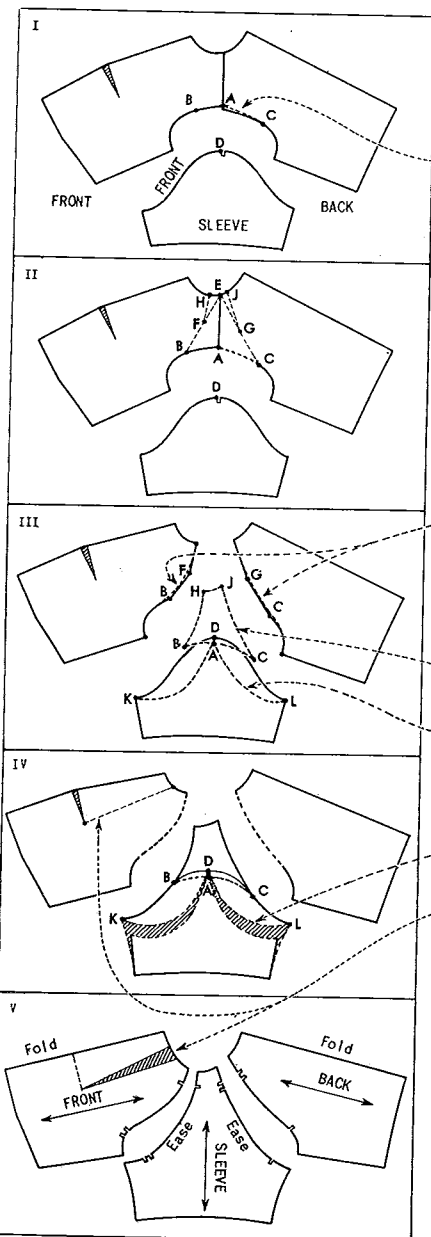
Separate front and back; then slash along shoulder pleat lines from H to J and I to K, and close up front dart, spreading at shoulder for pleats. Make pleat at H, 5" long, and 4-3/4" long at I.

For gusset, draft diamond shaped section, making each line 3" long, to correspond with underarm slash lines of front and back. Gusset should be about 3" wide across center.

The shaded part of gusset joins to front; the light part, to back.

Seams are to be allowed on all sewing edges.





The following diagrams show how to draft the raglan sleeve, using the dress foundation pattern as a guide.

**I**  
Trace front and back to waistline only, placing pattern pieces shoulder to shoulder, with necklines even. The back shoulder being  $1/4''$  longer, should be reduced  $1/4''$  as shown by dotted line.  
A to B - Equals  $1/3$  of front armhole.  
A to C - Equals  $1/2$  of back armhole.  
D ----- Mark point D at shoulder notch of sleeve cap.

**II**  
E to B - Connect.  
F ----- Center between E-B.  
E to C - Connect.  
G ----- Center between E-C.  
H to J - Equals width of sleeve at neckline, making E to H twice the width of E to J as follows:  
E to H -  $1''$ ; then draw line from H to F.  
E to J -  $1/2''$ ; then draw line from J to G.  
Curve the line at points F and B in front; at points G and C in back as shown by dotted lines in diagram III.

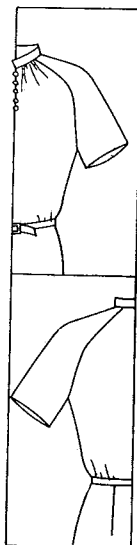
**III**  
Trace shoulder section from H to B to A to C to J to H; then cut out and apply to top of sleeve cap, overlapping point A,  $1/2''$  beyond point D, and having points B and C at even distances from sleeve as illustrated.  
Draw curved lines on sleeve from K to D and L to D as shown by dotted lines.

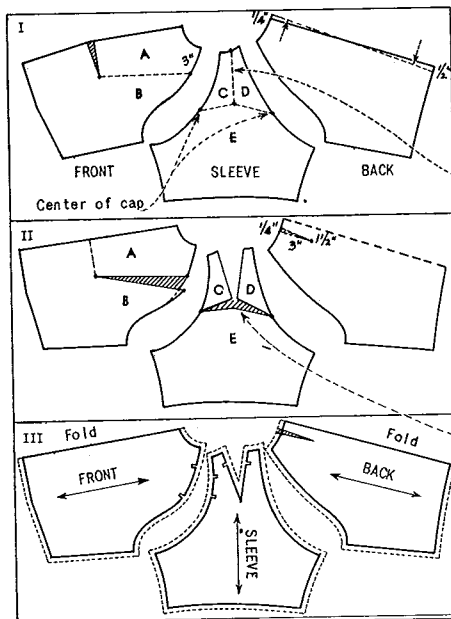
**IV**  
Slash sleeve from K to D and L to D; then spread, having the sleeve cap touch the shoulder section at points B and C. This will lengthen the underarm seam of sleeve about  $1-1/2''$ .  
For gathers at neck, slash front from neck, to dart; then close up front dart to allow for gathers at neck as shown in diagram V.

**V**  
Allow seams on all edges but center front and back.  
Make corresponding notches at armholes and sleeve. There should be at least  $1/2''$  ease allowance in the sleeve between the notches.

The raglan sleeve has the same fitting value as the set-in sleeve, because the lower part of the sleeve and armhole are about the same in construction.

It is called a raglan sleeve because the shoulder section and sleeve are in one part with the armhole seams running towards the neck, in front and back.





**STYLE I**  
I  
Use the raglan sleeve foundation pattern as a guide.

For gathers at shoulder, draw a slash line on front, from shoulder to dart; then mark sections A and B. Slash; then close up front dart and spread for gathers as shown in diagram II.

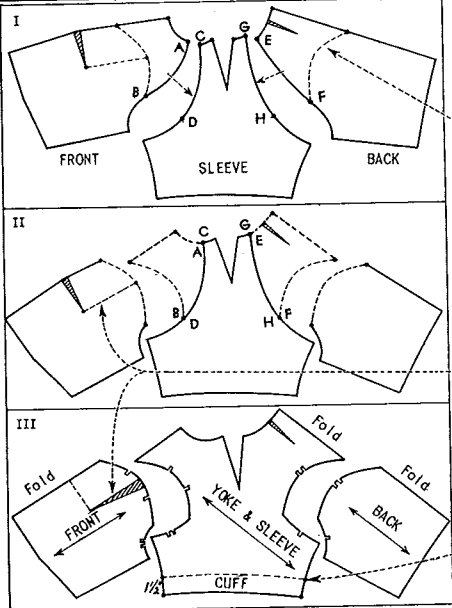
For shoulder dart in sleeve, draw a line through center of sleeve from top down, the length of shoulder; then draw lines to sides of ease cap, as illustrated. Mark sections C-D-E.

To make shoulder pad pattern, etc., see diagrams to the right.

For neck dart in back, first draw new center back line by adding  $1/4$ " at neck, and reducing  $1/2$ " at waistline as shown by dotted line; then make neck dart  $1/4$ " wide, and 3" long,  $1-1/2$ " from center back, as shown in diagram II.

**II**  
For shoulder dart, slash from top of sleeve down and across; then spread about 3" or 4" at top. The spread above E will allow the shoulder to extend slightly.

**III**  
Allow seams and make corresponding notches in front and sleeve to indicate the position for gathers in front.  
The raglan sleeve with shoulder dart, gives the garment a more tailored appearance and better fit over the arm at shoulder.



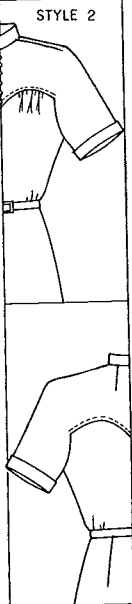
**STYLE 2**  
Illustration shows raglan sleeve and yoke in one section.

**I**  
Use the raglan front, back and sleeve foundation pattern as a guide.

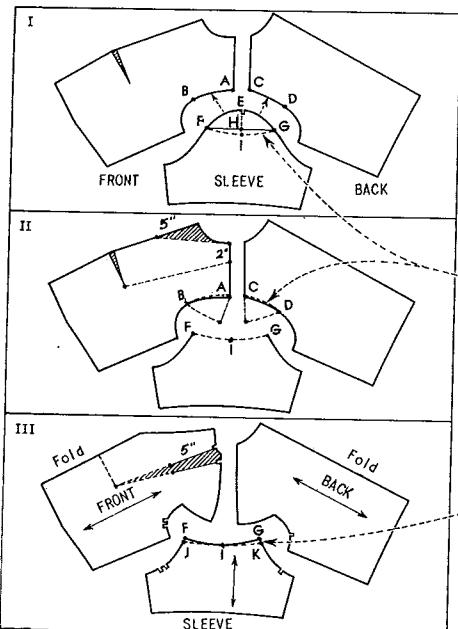
Draft the yoke on front and back as follows:  
A to B -- Equals  $2/3$  of front armhole.  
C to D -- on sleeve equals A to B on front.  
E to F -- Equals  $2/3$  of back armhole.  
G to H -- on sleeve equals E to F on back.  
Draw yoke lines on front and back as shown by dotted lines.

**II**  
Cut away yoke sections from front and back, and apply to sleeve at corresponding positions.  
For gathers in front, draw slash line as illustrated; then slash and spread as shown in diagram III.

**III**  
Allow seams and make corresponding notches. Mark grain line arrow in yoke and sleeve parallel to center back.  
Draft cuff  $1-1/2$ " wide at lower edge of sleeve.



## DROPPED SHOULDER SLEEVES - 2 STYLES



## STYLE 1

I

Use the dress foundation front, back and sleeve as a guide.

A to B - Equals  $1/2$  of front armhole.

C to D - Equals A to B.

E to F - on sleeve equals A to B on front armhole.

E to G - on sleeve equals C to D on back armhole.

F to G - Connect.

H - Center between F and G.

E to I - Draw line from E to I, through H,  $1/2$ " below H; then draw a slightly curved line from F to I to G.

Cut off cap of sleeve on line from F to I to G; then cut through from E to I and apply sections to corresponding positions at front and back armhole between A-B, and C-D, as shown by dotted lines in diagram II.

II

Draw V-neck line in front, 5" deep.

For shoulder pleat, draw line from shoulder to dart; then slash and close up front dart, spreading for shoulder pleat as shown in diagram III.

III

Make shoulder pleat 5" long, marking with notches at shoulder and with dots 5" below.

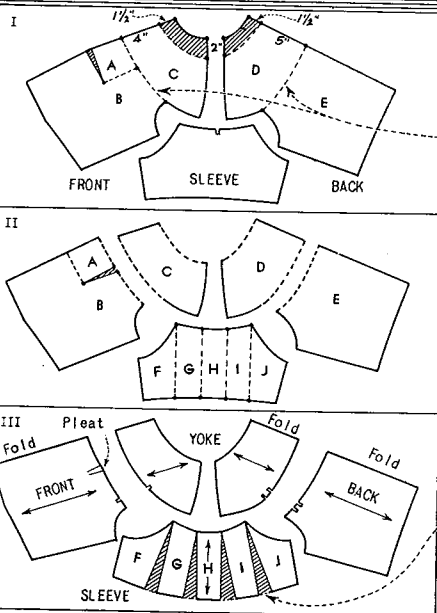
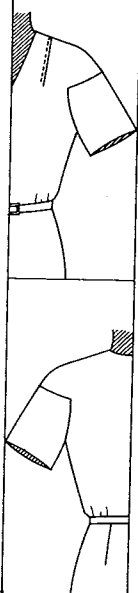
Reduce the ease in front and back of sleeve slightly below F and G as follows:

F to J -  $1/4$ ".

G to K -  $1/4$ "; then connect from J to I to K for the new line at top of sleeve.

To complete the pattern, add seams and make corresponding notches.

## STYLE 1



## STYLE 2

I

Use the dropped shoulder front, back and sleeve pattern as a guide.

Lower neckline as indicated by dotted lines; then draw yoke lines (slightly curved) by continuing from dropped shoulder line to center front and back.

For pleat in front, draw slash line and mark sections A to E.

II

Separate yoke sections; then slash front, and close up front dart, spreading between A and B for pleat.

For sleeve flare, draw slash lines and mark sections F to J.

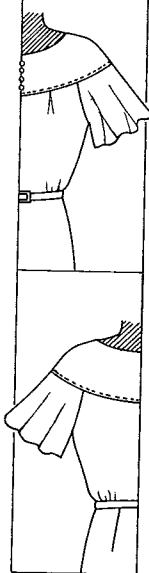
III

Slash sleeve from lower edge up, and spread about 2" between each section.

Allow seams on all but fold edges; then make corresponding notches in yoke, front, and back.

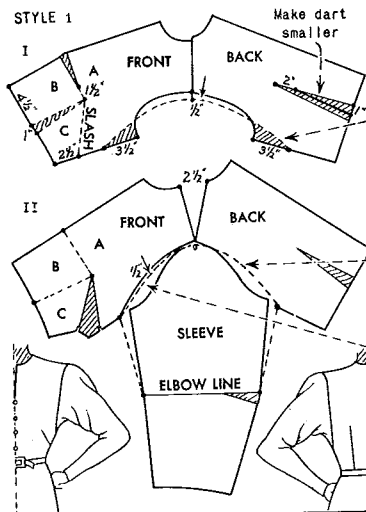
Mark arrows for grain lines.

## STYLE 2





STYLE 1

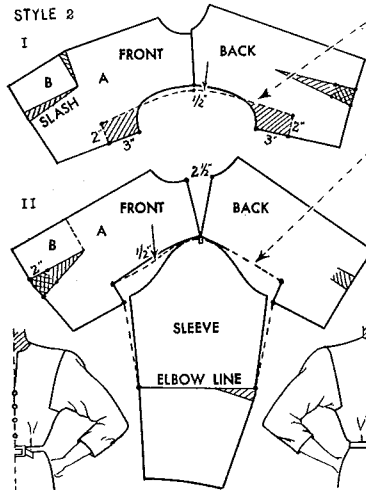


The "deep armhole" sleeve must be so constructed that it should allow the wearer to raise her arm quite comfortably.

To accomplish this, the sleeve pattern must be provided with extra length at the top of the underarm seam as demonstrated in diagrams III and IV.

For example: For a 3-1/2" deeper armhole, the sleeve underarm seam should be lengthened 3-1/2" at the top; for an armhole 2" deeper, add 2" to the top of sleeve underarm seam, etc. In other words, as much as, the armhole is deepened, so much must be added to the length of the underarm seam of sleeve at top.

STYLE 2



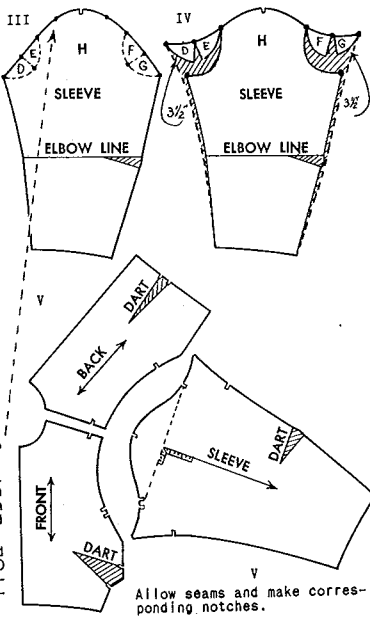
STYLE 1

This style features a 3-1/2" deeper armhole sleeve. Front has diagonal side dart.

I  
Draft deeper armhole and wider shoulder as indicated. Draft side dart line; then mark sections A to C. Close up front and waist darts, spreading side dart as shown in diagram II.

II  
Cut out front and back along the new armhole lines; then trace as illustrated. Place sleeve with cap almost touching armhole at shoulder and balancing sleeve evenly at each side. Trace. Draw front part of sleeve cap 1/2" away from armhole, and widen top of sleeve from armhole to elbow as indicated.

III and IV  
Trace outline of sleeve along new cap line; then divide top of cap into 8 equal parts. To lengthen underarm seam at top, first draw curved slash lines about 2" deep at each side; then divide in half and mark sections D to H. Slash as illustrated and spread, raising sections D and G, 3-1/2"; then draw underarm seam lines as indicated.



Allow seams and make corresponding notches.

STYLE 2

This style features square armhole sleeve, 3/4 length, and 3" deeper armhole.

I  
Draft square armhole 3" deep, and 1/2" wider shoulder as shown by dotted lines. Close up front dart and spread waist dart as shown in diagram II.

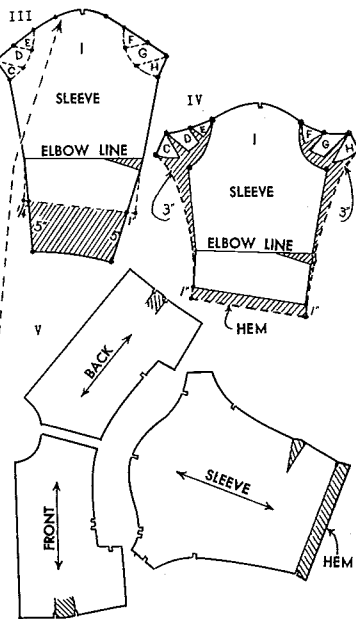
II  
Cut out front and back along new armhole lines; then trace front, back and sleeve as described in style 1, diagram II.

III and IV  
Trace outline of sleeve along new cap line and divide top of cap into 8 equal parts. To lengthen underarm seam 3" at top, first draw slash lines; then slash and spread as indicated.

For 3/4 sleeve, draft sleeve 5" shorter; then widen sleeve slightly at lower edge as shown by dotted lines.

Add 1" hem at lower edge.

Allow seams and make corresponding notches.



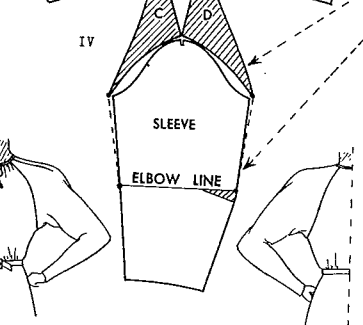
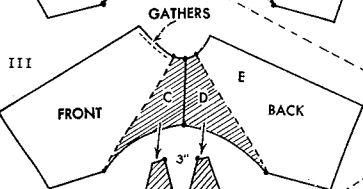
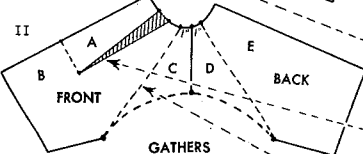
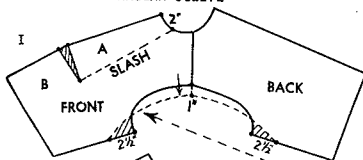
## SLEEVE DRAFTING - 2 STYLES

## DEEP ARMHOLE RAGLAN SLEEVE

## DEEP ARMHOLE RAGLAN SLEEVE

This style features a 2-1/2" deeper armhole, with shoulder dart in sleeve.

The sleeve pattern requires lengthening of underarm seam at top. See information given for "deep armhole" sleeve on preceding page.



I  
Draft the deeper armhole and broader shoulder as indicated.

For neck gathers, draw slash line from neck to breast point and mark sections A and B; then slash and close up front dart as shown in diagram II.

II  
Draft the raglan armhole lines, drawing the lines slightly curved as shown by dotted lines. Mark sections C to E.

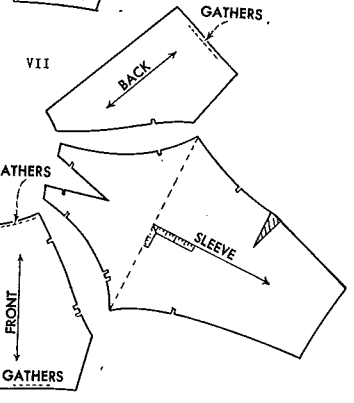
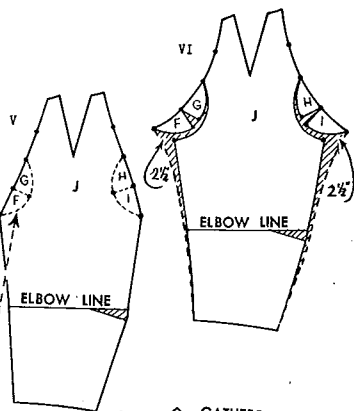
III and IV  
Trace outline of sleeve; then cut out sections C and D and place over top of sleeve cap as illustrated.

At each side of sleeve, connect from sections C and D to elbow line.

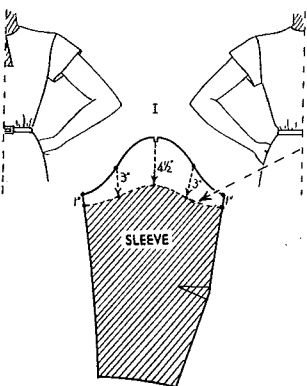
V and VI  
Trace outline of sleeve along new shoulder section lines; then divide each side of upper seam into 4 equal parts. To lengthen underarm seam at top, first draw curved slash lines about 2" deep at each side of sleeve; then divide in half and mark sections F to J.

Slash as illustrated and spread, raising sections F and I, 2-1/2"; then draw underarm seam lines slightly curved as shown by dotted lines.

VII  
Allow seams and make corresponding notches.



## CAP SLEEVE



## CAP SLEEVE

Sleeve is 4-1/2" long at center, and 1" long at underarm seam.

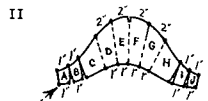
I  
Trace outline of sleeve; then draft cap sleeve as shown by dotted lines.

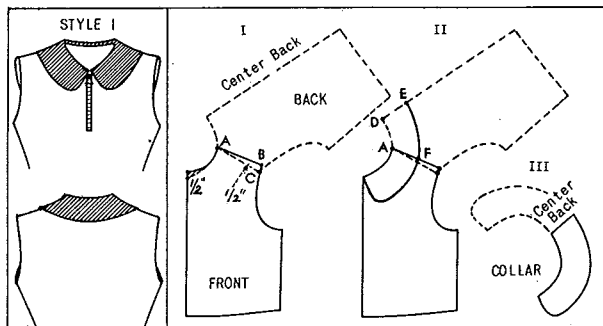
II  
Cut out sleeve along the new cap sleeve outline; then divide into 10 parts as indicated. Mark sections A to J.

III  
Make slashes along the 5 center lines and spread, placing lower edge of sleeve on a straight line.

In order to make the lower edge of sleeve a straight line all the way across, reduce slightly at each side of sleeve between A-B, B-C, H-I and I-J.

IV  
For a faced sleeve, make sleeve and facing in one by reversing pattern to other side of straight line.





STYLE 1 -- FLAT FITTING COLLAR

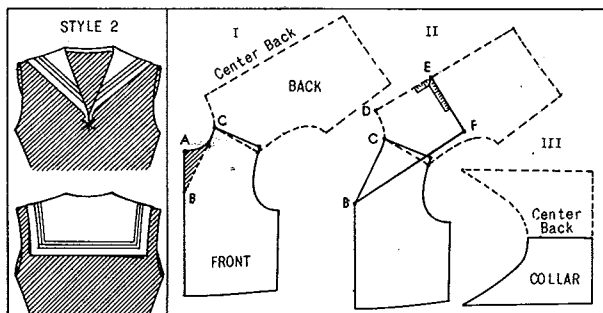
Illustration shows collar, Peter Pan design.

I  
Trace front and back of fitted waist or dress foundation, overlapping  $1/2''$  at armhole between B and C, and even at neckline, point A. This will give the collar about  $1/8''$  roll which will tend to hide the seam all around the neck. Lower neckline  $1/2''$  at center front as shown by dotted line.

II  
Draft collar as follows:  
D to E - Equals width of collar at center back (about  $2-3/4''$ ).

Draw outer edge of collar parallel to neckline; then curve front of collar as illustrated.

III  
This diagram shows entire collar.  
Allow seams on all edges.



STYLE 2 - FLAT FITTING COLLAR

Sketch shows sailor collar design. Collar also has  $1/8''$  roll at neck.

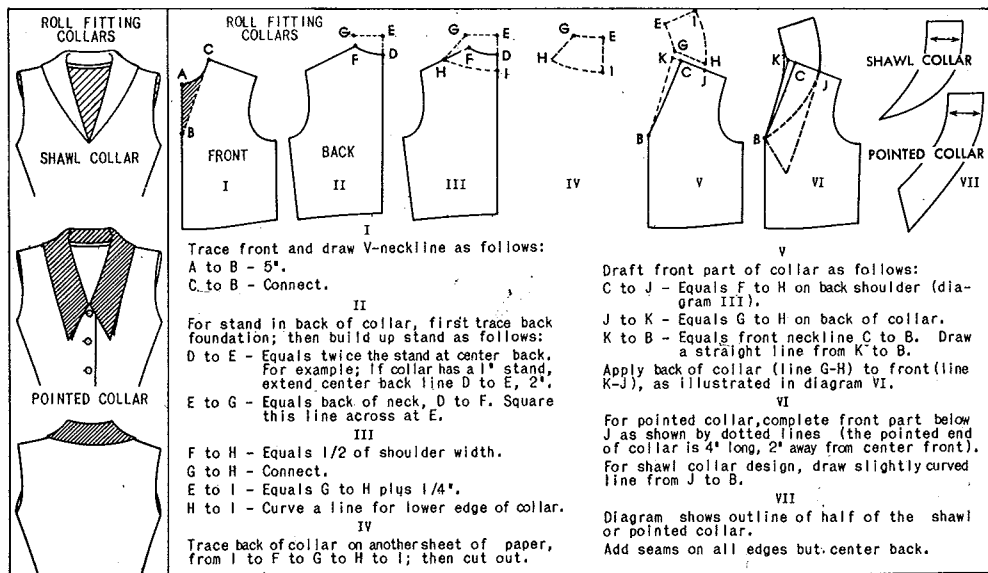
Front has a V-neckline, about  $4''$  deep.

There is  $2''$  opening below collar at center front for lacing.

I  
Trace front and back, overlapping shoulders at armhole as described above for Style 1.  
A to B - Equals depth of V-neck.  
C to B - Connect for V-neckline of front.

II  
Draft collar as follows:  
D to E - Equals about  $6''$ .  
E to F - Equals  $6''$ . Square line across at E.  
F to B - Connect to complete collar draft.

III  
Diagram shows entire collar. Allow seams.



Trace front and draw V-neckline as follows:  
A to B -  $5''$ .  
C to B - Connect.

II  
For stand in back of collar, first trace back foundation; then build up stand as follows:  
D to E - Equals twice the stand at center back. For example; If collar has a  $1''$  stand, extend center back line D to E,  $2''$ .  
E to G - Equals back of neck, D to F. Square this line across at E.

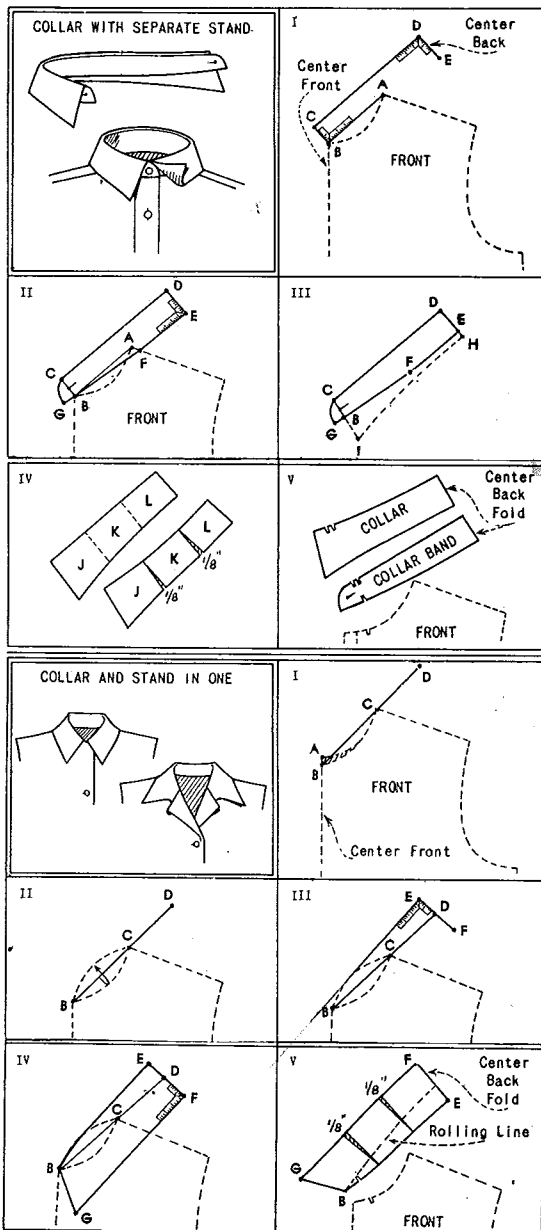
III  
F to H - Equals  $1/2$  of shoulder width.  
G to H - Connect.  
E to I - Equals G to H plus  $1/4''$ .  
H to I - Curve a line for lower edge of collar.

IV  
Trace back of collar on another sheet of paper, from I to F to G to H to I; then cut out.

Draft front part of collar as follows:  
C to J - Equals F to H on back shoulder (diagram III).  
J to K - Equals G to H on back of collar.  
K to B - Equals front neckline C to B. Draw a straight line from K to B.  
Apply back of collar (line G-H) to front (line K-J), as illustrated in diagram VI.

VII  
For pointed collar, complete front part below J as shown by dotted lines (the pointed end of collar is  $4''$  long,  $2''$  away from center front). For shawl collar design, draw slightly curved line from J to B.

VIII  
Diagram shows outline of half of the shawl or pointed collar.  
Add seams on all edges but center back.



## COLLAR WITH SEPARATE STAND

Illustration shows collar with 1" stand at center front and 1-3/8" stand at center back.

## COLLAR BAND

Trace front, as shown by dotted lines; then draft collar as follows:

- A to B - Draw straight line.
- B to C - Square a line up 1" for center from stand.
- C to D - Equals line A to B plus back of neck.
- D to E - Square a line down 1-1/2" for stand, in center back.

## II

- E to F - Square a line from E to shoulder.
- F to B - Connect.
- B to G - Extend line 5/8".
- G to C - Draw a curved line.

## III

## OUTER COLLAR

- D to H - Equals D to E plus 3/8".
- C to I - About 2-1/2". Draw straight line through B.
- H to I - First square line at H; then connect to I.

## IV

Divide the outer collar section into 3 equal parts and mark them J, K and L. Slash from lower edge up and spread about 1/8" at each slash, as illustrated. This allowance is for ease over the shoulder.

## V

Allow seams on all edges but center back; then make corresponding notches.

## COLLAR AND STAND IN ONE

Illustration shows collar with 1" stand at center back.

## I

Trace front; then draft collar as follows:

- A to B - 1/2", for lower neckline.
- B to C - Draw straight line.
- C to D - Continue straight line from C to D for back of neck (3").

## II

Trace curved neckline between B and C to opposite side of straight line.

## III

- D to E - 1". This equals stand in center back. Draw lines D to E and from E to curved line with the square, as illustrated.
- D to F - Equals D to E plus 3/8".

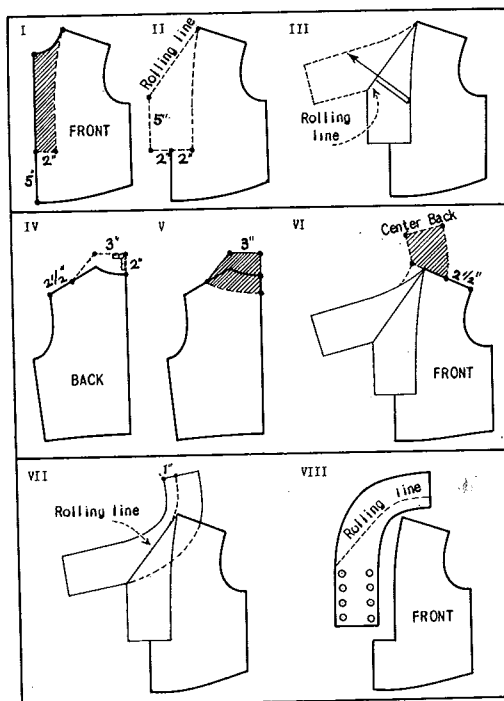
## IV

- B to G - About 2-1/2" long, with point G 1" away from center front.
- F to G - First square a line at F; then connect to G.

## V

Slash collar in two places and spread, as illustrated. This allowance is for ease over the shoulder.

Allow seams. Make corresponding notches at neck-edge.



## STYLE 1

The collar has a 1" stand at center back.

The vest is double breasted, and is part of the garment.

Using the fitted waist foundation as a guide, draft collar and vest as follows:



I  
First cut away a section of the front which is to become part of the vest, as shown by dotted lines.

II  
Draft vest 4" wide to a point 5" above the squared outline; then draw rolling line to shoulder.

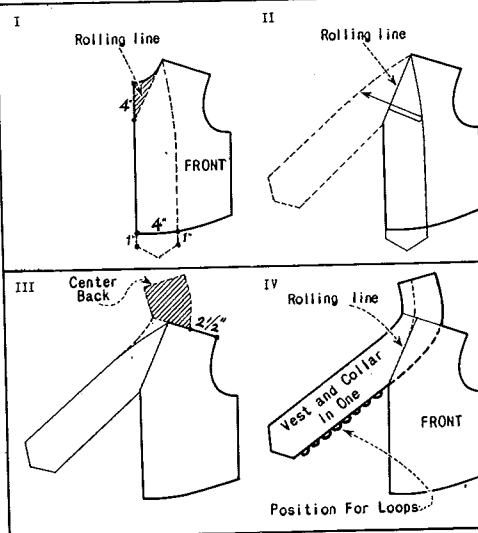
III  
Fold paper on rolling line and trace vest section.

IV and V  
Draft back of collar, using the method as given for the Roll Collar (Page 49).

VI  
Cut out back collar section and apply to front with shoulder lines touching, bringing edge of collar 2-1/2" from armhole. Then draw a curved line from neck of collar to vest, as shown by dotted line.

VII  
Draw a curved line for the front of collar.

VIII  
Diagram shows vest and collar in one, completed. Seams are to be allowed.



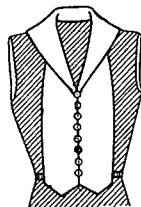
## STYLE 2

This vest meets at center front, and fastens with buttons and loops.

Vest is held at waistline with an elastic belt.

Collar rolls in back with a 1" stand.

It is a detachable collar and vest style which may be worn with a jacket.



I  
First draw a V-neck line, 4" deep; then draft the vest 4" wide and 1" below waistline.

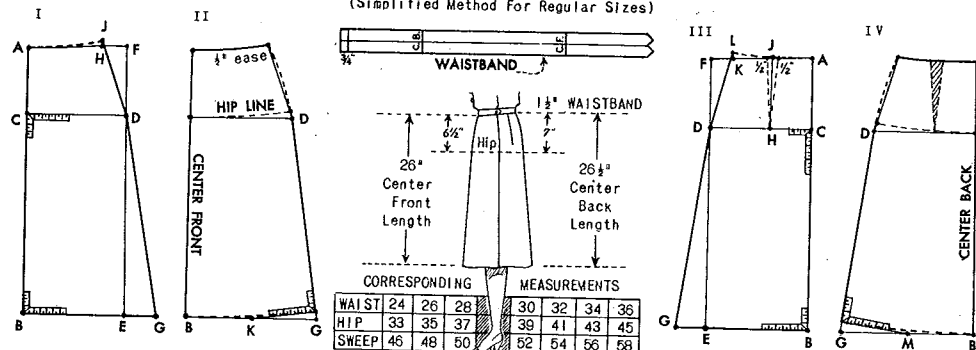
II  
Trace vest as shown by dotted lines.

III and IV  
Draft back of collar and apply to front shoulder, as described above for vest Style 1; then draft front of collar.

Seams are to be allowed so that collar and vest may be faced.

## SKIRT DRAFTING - 2 STYLES

(Simplified Method For Regular Sizes)



DRAFT OF FRONT

- I**
- A to B - Equals center front length.  
 A to C - 6-1/2" from waist to hip.  
 C to D - Equals 1/4 of hip measure plus 1/2" for ease.  
 E to F - Equals hipline C-D. Square across at B.  
 F to A - Equals center front line A-B plus 1/4". Draw a line up from E to F, through D.  
 B to G - Equals 1/4 of sweep measurement; then connect from G to D.  
 A to H - Equals 1/4 of waist measure plus 1/2" for ease.  
 H to J - 1/2"; then draw slightly curved line from A to J.  
 J to D - Connect (1/2" dart may be made in front, in place of the ease).

- II**
- B to K - Equals 1/2 of line B-G; then square a line from side seam to point K.

To complete the front, draw a curved line at bottom, and above point D as shown by dotted lines.

Draw curved hipline parallel to lower curved line.

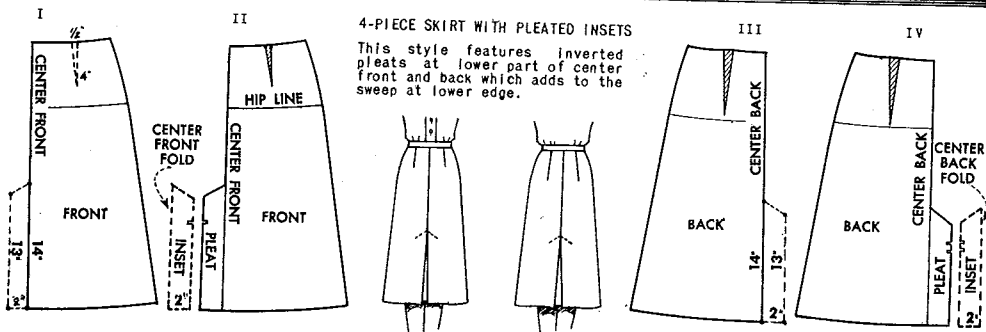
DRAFT OF BACK

- III**
- A to B - Equals center back length.  
 A to C - 7" from waist to hip.  
 C to D - Equals 1/4 of hip measure plus 1/2" for ease.  
 B to E - Equals line C-D. Square across at B.  
 E to F - Equals center back line, less 1/4".  
 F to A - Connect by drawing slightly curved line.  
 B to G - Equals 1/4 of sweep; then connect from G to D.  
 C to H - 4", with 1/8" grade for each size.  
 A to J - Equals C to H; then connect J to H and make a V-shaped dart, 1" wide at point J.  
 A to K - Equals 1/4 of waist measure plus 1" for dart.  
 K to L - 1/2"; then draw slightly curved line from L to A.  
 L to D - Connect.

- IV**
- B to M - Equals 1/2 of line B-G; then use same method to complete the back as described for the front.

For waistband, make a double band 1-1/2" wide finished and the length of waist measure plus 3/4" extension for left side opening.

To complete pattern, allow for seams and hem.



DRAFT OF FRONT

**I**

Trace outline of front foundation; then add a 2" pleat at lower part of center front as shown by dotted lines. Make 1/2" dart, 4" long at center of waistline.

**II**

For the inset, draft a corresponding section to fit the width and length of pleat.

DRAFT OF BACK

**III and IV**

Trace outline of back foundation, then make the pleat and inset, the same width and length as for the front, thus adding 16" to the lower edge sweep of skirt.

Allow for seams and hem.

Illustration shows skirt on the bias at center front and back; straight at side seams. Waistband is 1" wide finished.

Draft according to the following measurements:

Front length	.... 27"	Hip circum....	37"
Back	..... 27 1/2"	Waist	..... 28"
		Bottom	..... 72"

I

- A to B - Equals center front length.  
 A to C - Equals 6-1/2"  
 C to D - Equals half of hip circumference plus 1" for ease.  
 Square this line across at C.  
 C to E - Equals 1/3 of line C to D; then draw an arc line above D about 10" long, pivoting at E.  
 B to F - Equals 1/4 of lower edge circumference.  
 Square this line across at B.  
 F to G - Equals B to F. Before drawing this line, place square by touching point F for lower edge, and touching outer curve of arc line for center back line; then draw G to F for bottom line, and G to H for center back line.

II

To curve bottom line, draft as follows:

- B to J - Equals half of B to F.  
 G to K - Equals half of G to F.  
 J to K - Connect; then draw curved line.

For waistline, draft as follows:

- A to L - Equals 1/4 the distance between A to H.  
 Square this line across at A.  
 H to M - Equals line A to L.  
 Square this line at H; then connect L to M, and draw curved line.  
 L to N - Equals half of L to M.  
 J to O - Equals half of J to K.  
 N to O - Connect for side seam line.

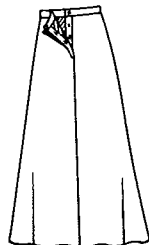
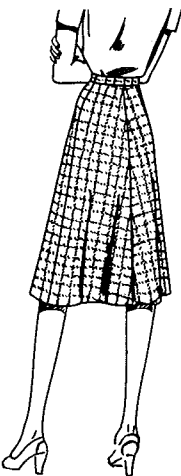
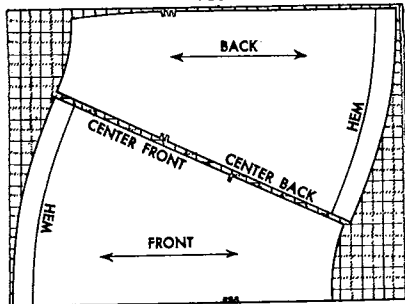
III

- O to P - Equals B to C.  
 G to Q - Equals B to C. Draw curved hip line from O to P to C parallel to bottom curved line.  
 N to R - Equals reduction at waistline (about 1/2"); then connect from R to P.

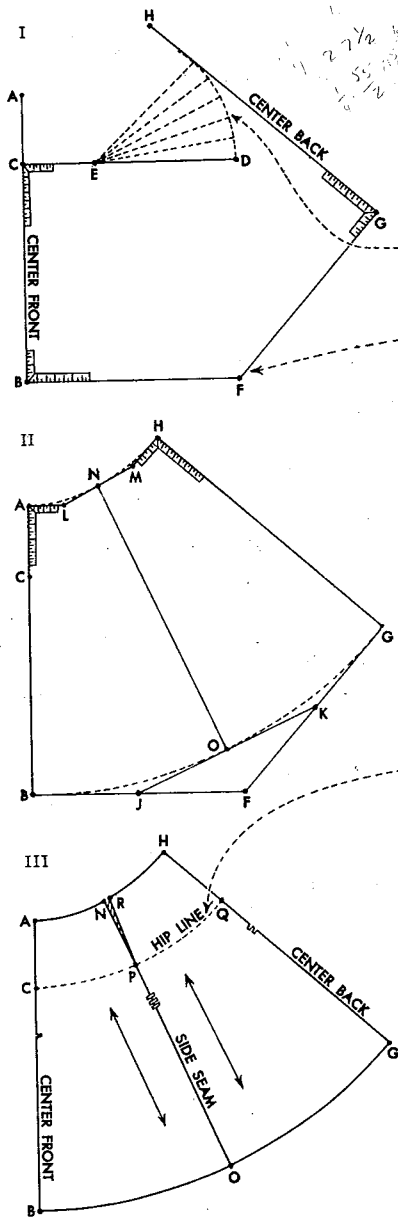
Draw grain line arrows parallel to the side seam. Allow seams and make corresponding notches. Add hem at lower edge (about 2").

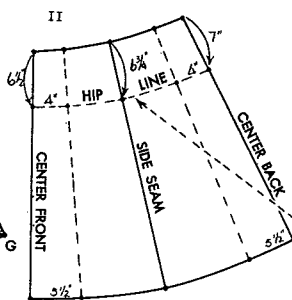
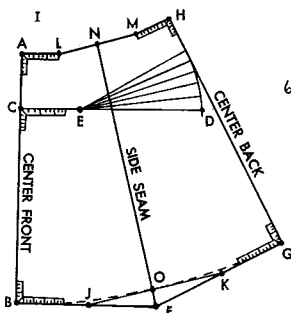
The diagram below shows cutting layout for 54" plaid material.

FOLD



SIDE VIEW





## STYLE 1

This skirt is cut in 6 gores and has a 60° sweep at lower edge.

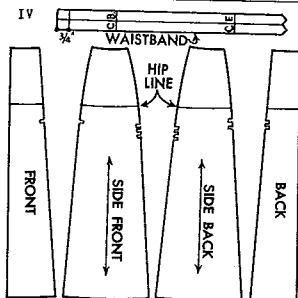
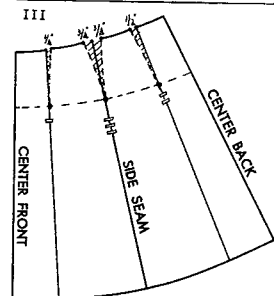
## I

To draft outline of skirt, use complete directions given for the 4-piece flared skirt, page 58, diagrams I and II, using all the measurements except the bottom, which is 60°.

## II

For the 6-gored skirt, first draw the curved hipline as shown by dotted line; then draft the seam lines for the panels in front and back as indicated, making the panels 4" wide at hip and 5-1/2" wide at bottom.

## STYLE 1



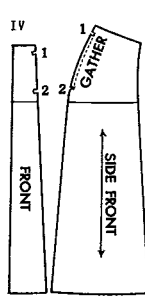
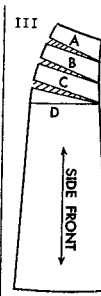
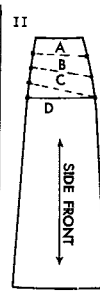
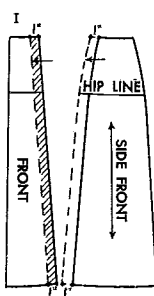
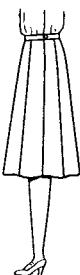
## III

Make reduction at waistline from waist to hipline, by drawing slightly curved lines as shown by dotted lines. Mark corresponding notches.

## IV

For waistband make a double band 1" wide finished and the length of the waist measure, plus 3/4" extension for left side opening.

To complete the skirt pattern, allow for seams and add hem at bottom.



## STYLE 2

This skirt features a narrow front panel, with gathers above hip in the side sections.

Using the front sections as a guide, make panel 1" narrower, and side section 1" wider.

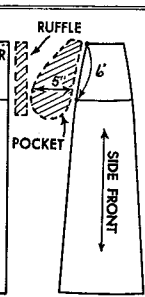
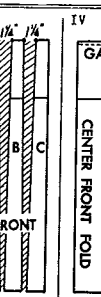
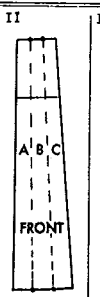
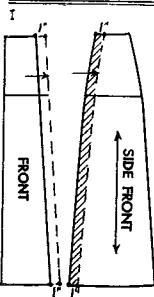
## II, III and IV

For gathers, divide front edge above hipline into 4 equal parts; side edge into 3 equal parts. Draw slash lines as indicated; then slash and spread for gathers.

Make corresponding notches.

NOTE: The space for gathers (between notches) should measure at least 1-1/2 times the length of the plain edge.

## STYLE 2



## STYLE 3

Sketch shows wide gathered front panel with inside pocket at each side of panel. Openings are trimmed with ruffles.

Using the front sections as a guide, make panel 1" wider, and side section 1" narrower.

## II and III

For gathers at waistline, divide panel into 3 parts; then slash and spread, increasing the upper edge about 2-1/2" and making lower edge, equal the upper edge.

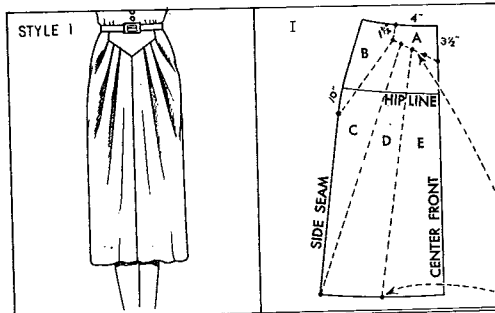
## IV

Draft pocket and ruffle for a 6" pocket opening, making the ruffle 1" x 9" finished.

## STYLE 3





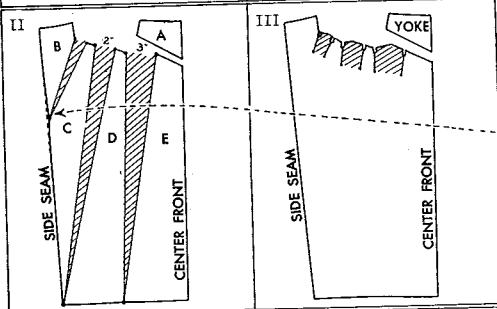


This style features pleats in front, which give the peg-top effect. The pleats are held in position with a pointed yoke. The back of skirt is plain in design and the sweep at lower edge is about  $46^\circ$  or  $48^\circ$ . The fabrics used should be soft, thin, and pliable.

To draft front of skirt for this style, use skirt front foundation as a guide.

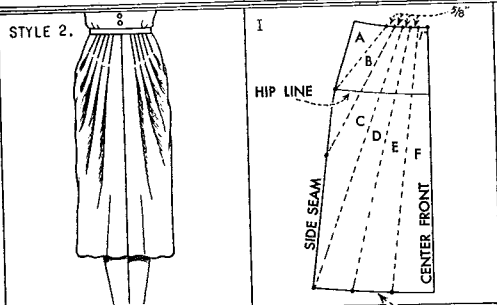
**I**  
Trace outline of front; then draft the yoke as shown in the diagram, and mark section A.

Draw the 3 pleat lines as follows:  
First divide lower yoke line into 4 equal parts; then divide lower skirt line into 2 equal parts. Mark a dot on side seam line, 10" below waistline. Draw the pleat lines as shown by dotted lines, and mark sections B to E.



**II**  
To allow for pleats, slash between B and C from top to side, and spread for pleat, forming a straight line at side seam. Then slash along the other 2 lines from top to bottom and spread for pleats as indicated on the diagram.

**III**  
Complete the pattern by marking the pleat lines about 2" long; then allow seams on all sewing edges, and add hem at lower edge.



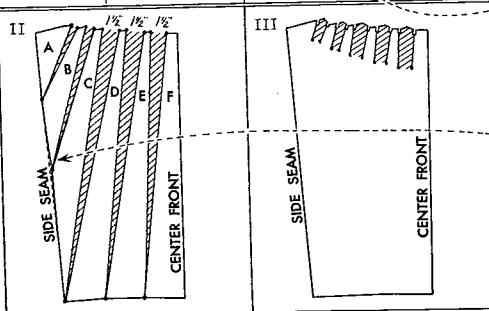
**STYLE 2.**

Illustration shows peg-top skirt with 5 pleats on each side of center front.

The pleats are stitched together on the inside, having the pleats nearest to center front about 4" long, to about 2" long nearest to the side seam.

The method of making the pattern is similar to style No. 1, and the allowance for the 5 pleats should total the allowance for the 3 pleats in Style 1.

For a more prominent peg-top skirt, a greater allowance for pleats may be made.

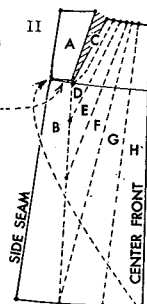
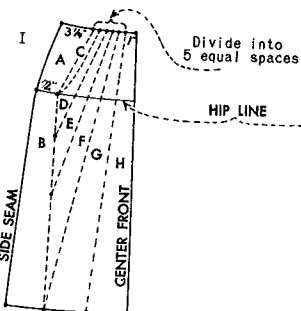
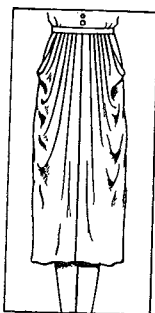


**I**  
Trace outline of skirt front foundation, and divide the bottom line into 3 equal parts; then draw the pleat lines as shown by dotted lines.

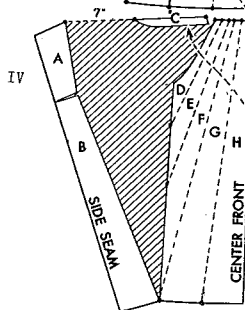
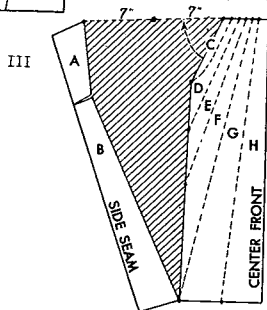
**II**  
To allow for the 5 pleats, first slash along the lines between A-B and C, from waistline to side, and spread for 2 pleats, forming a straight line at side seam. Then slash along the other 3 lines from top to bottom, and spread as indicated.

**III**  
Draw the pleat lines, indicating the correct stitching length for each pleat.  
To complete the pattern, add seams on the sewing edges, and add a hem at lower edge.

## PEG-TOP SKIRT DRAFTING



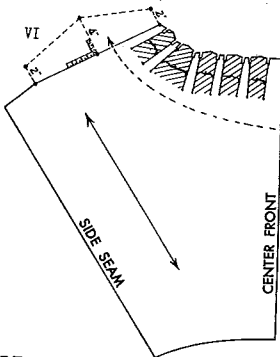
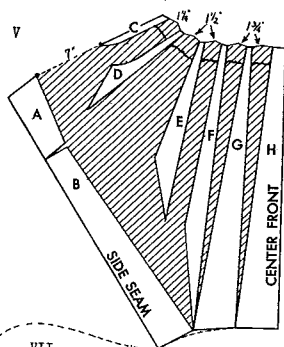
This is a cowl peg-top design, the skirt having side pockets and 5 pleats on each side of center front.



I  
Trace outline of skirt front foundation, and divide bottom line into 3 equal parts. Draw slash lines for the pocket, cowl and pleats as shown by dotted lines; then mark sections A to H.

II  
To straighten side seam line, slash between A and C, from waistline to hip and across to side; then spread, forming a straight line at side seam.

III and IV  
Continue slashing from hip to bottom, and spread  $1\frac{1}{4}$ " at top for a  $7\frac{1}{2}$ " loop for pocket opening; then slash between C and D and raise section C to the top as illustrated.



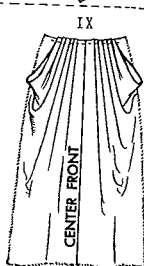
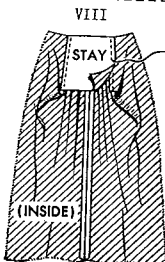
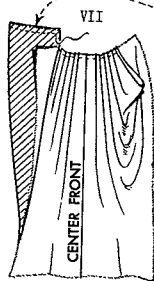
V  
Slash along remaining pleat lines from top to bottom, and spread for pleats and cowl as shown in the diagram.

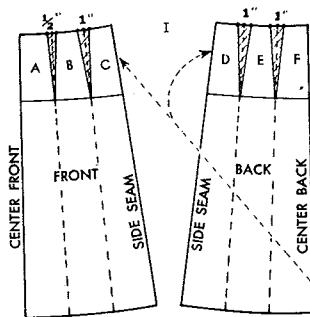
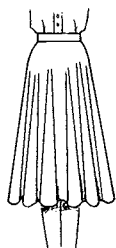
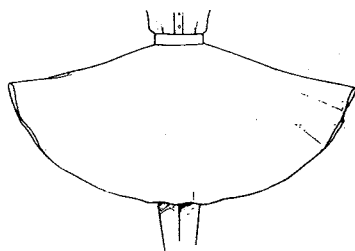
VI  
Add pocket section as shown by dotted lines; then add seams and indicate pleats with notches. Mark grain line arrow parallel to the side seam, making front part of skirt bias. This will allow the pleats and cowl to fall in soft folds.

VII  
After cutting out material, join center front seam; then make pleats and baste at upper edge. To form pocket, turn material right sides together, and join seam as indicated. Turn right side out.

VIII  
Sew a stay piece to inside to hold pockets and pleats in position.

IX  
This illustration shows outside view of skirt front.





Illustrations show a 2-piece circular skirt, with the fullness distributed evenly all around.

The skirt is so circular that center front and center back of skirt is on the crosswise of goods, and the side seams are lengthwise as shown in the cutting layout below (diagram IV).

I

To draft the skirt, use the plain 2-piece skirt foundation as a guide.

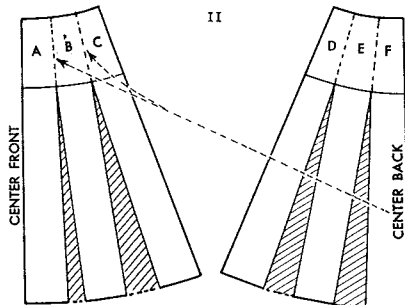
Trace outline of front and back, but continue side seam lines straight to the top as indicated.

Divide each skirt section into 3 equal parts as shown by dotted lines, and mark sections A to F; then reduce at waistline by drawing V-shaped lines from waist to hipline as indicated.

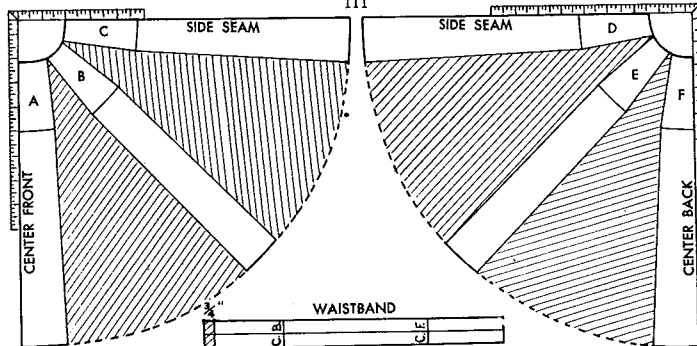
II

Reduce waistline in front by bringing sections A, B and C together above the hipline and spreading below hip as illustrated.

Repeat process for back of skirt.



III



III

For additional fullness at lower edge, make slashes in skirt front from hip to waistline; then spread, placing sections A and C against the square as indicated.

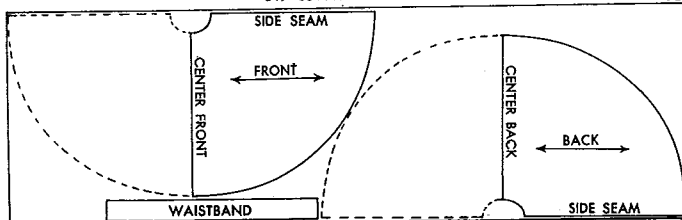
Repeat process for skirt back. Draw circular lines for bottom of skirt.

For waistband, make a double band 1-1/2" wide finished and the length of waist measure, plus 3/4" extension for left side opening.

To complete pattern, add seams on all sewing edges, and add a narrow hem at lower edge.

IV. CUTTING DIAGRAM

SELVEDGE



IV

Diagram shows cutting layout for skirt. Dotted lines indicated other half of front and back.

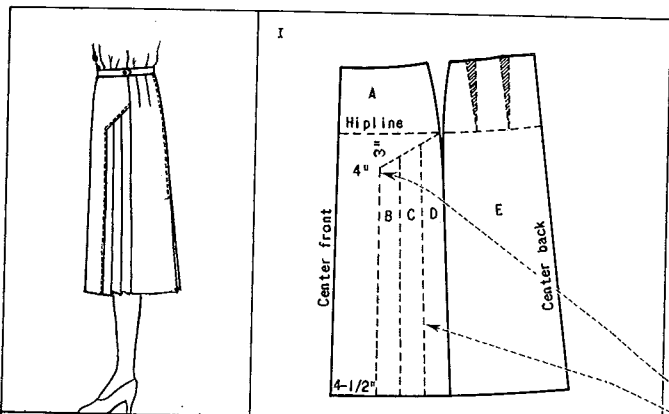


Illustration shows sports skirt with pleated side sections, and an inverted pleat at lower part of center back.

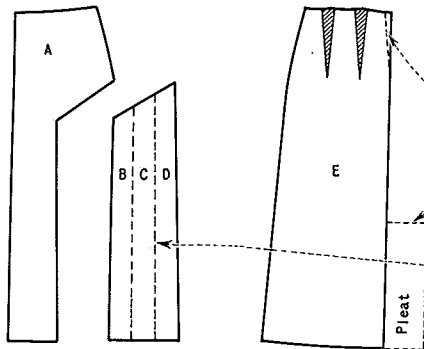
Skirt has a seam at center back above the pleat, with darts at top.

I

Trace the outline of the 2-piece skirt foundation; then trace the 2 darts in back.

Divide front into 4 parts, as shown by dotted lines, making section A, 4" wide, 3" below hip, and 4-1/2" wide at bottom; then divide side section into 3 parts of equal width.

II



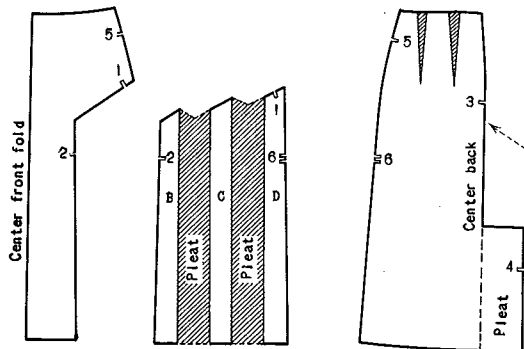
II

Separate the front, side and back; then add a pleat in back 12" long and 4" wide.

If waistline requires further reduction, draw line from hip to waist the required amount, as shown by dotted line at center back.

The lines between B, C and D are the position where the pleats are to be allowed.

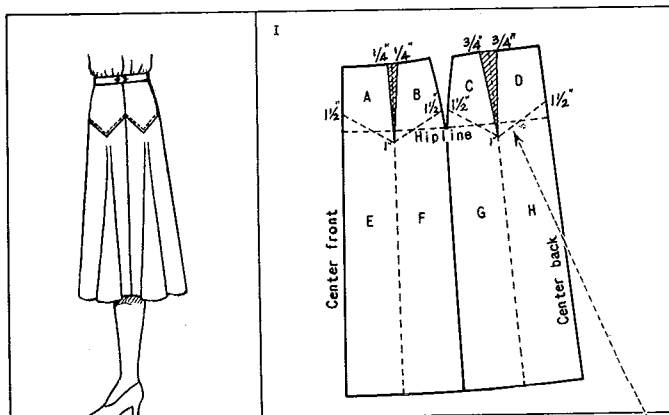
III



III

Allow for 2 side pleats in side section. The amount to be allowed for the pleats depends on the desired width at lower edge, the usual allowance being about 3" for each pleat.

Allow seams on all edges but center front. Make a wider seam allowance at center back. This is for machine stitching each side of the seam. Add for a hem at lower edge. Make corresponding notches.



Sketch shows skirt in 4 parts. The yoke has no darts and pattern is so cut that it fits smoothly over the hip.

The circular skirt and the yoke is divided by a zig-zag seam line around the hipline.

Skirt has the fullness falling in a large fold below each point of the yoke.

# I

Trace the outline of the 2-piece skirt foundation and divide front and back into 4 equal parts at hipline and lower edge.

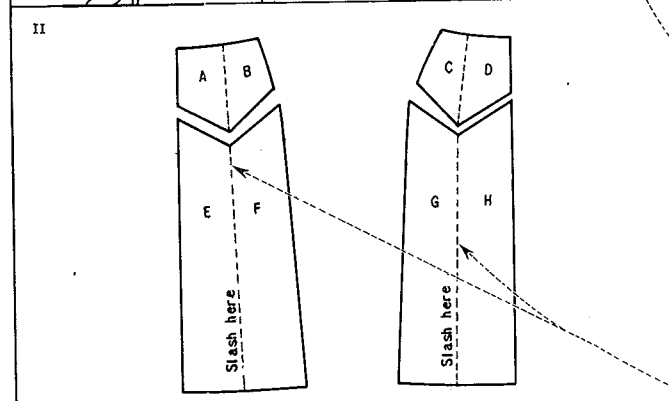
Draw straight lines from bottom, through hip, to waistline, as shown by dotted lines; then draw the zig-zag lines, beginning at center front, 1-1/2\"/>

Reduce at waistline the required amount by drawing V-shaped lines down to 1\"/>

# II

Separate the yoke and skirt sections; then reduce waistline in yoke by joining sections A and B in one, and sections C and D in one as illustrated.

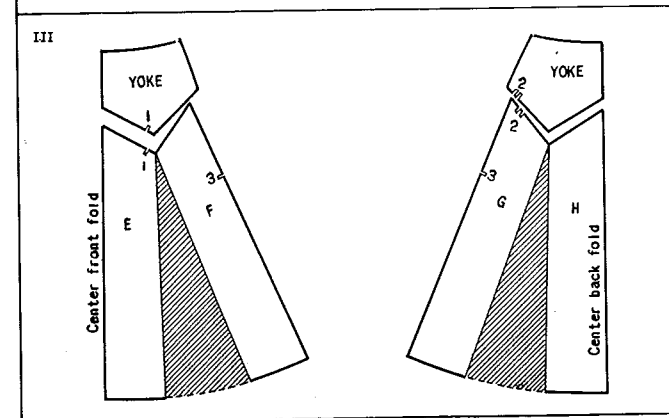
The lines between E and F, and G and H are the positions where the fullness is to be allowed.



# III

Slash front and back from lower edge up, and spread the desired amount for fullness, allowing about 8\"/>

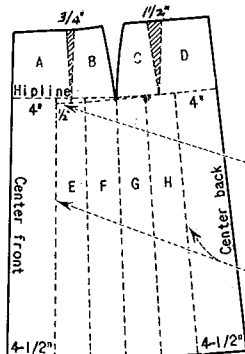
Add seam allowance on all edges but center front and back. Add for a hem at lower edge. Make corresponding notches.



STYLE 2



I



STYLE 2

Sketch shows skirt with pleated side sections.

The yoke sections are in one piece with the front and back.

Each side section has 2 side pleats and 1 inverted pleat.

I

Trace the 2-piece skirt foundation, draw the hip line, and divide draft into 8 parts as follows:

Make sections A and D' 4" wide at hip and 4-1/2" wide at bottom.

Divide side section into 4 equal parts. Lower the yoke seam line 1/2" below hip in front, to nothing in back.

Reduce waistline in front and back above the center of sections E and H, making the reduction in back about twice the amount of reduction in front.

II

Separate the front, back and side sections; then reduce waistline by bringing sections A and B together and sections C and D together.

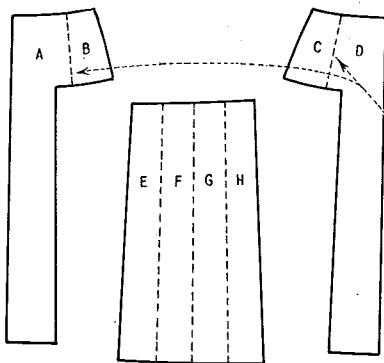
The lines between sections E, F, G and H, are the positions where pleats are to be added.

III

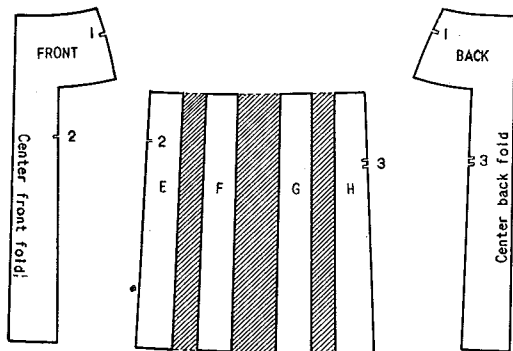
Allow for 2 side pleats and 1 inverted pleat as illustrated. The amount to be allowed for the pleats depends on the desired width at lower edge of skirt. For example: If the original plain skirt, size 16, measures about 1-1/4 yards at bottom, and 2 yards is the desired width, allow 3-1/2" for each side pleat, and 7" for the inverted pleat.

Add seam allowance on all edges but center front and back. Add for a hem at lower edge. Make corresponding notches.

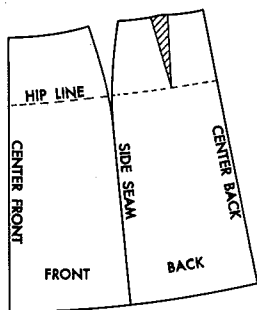
II



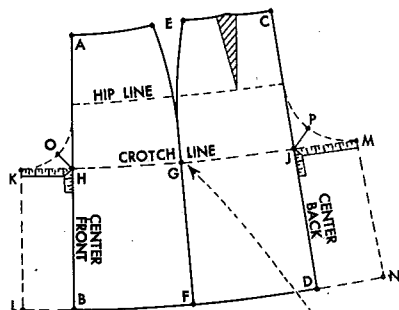
III



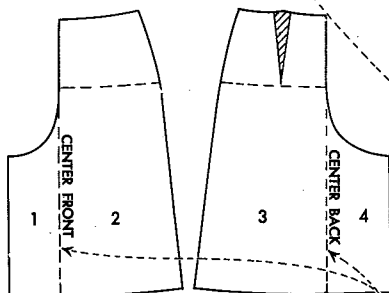
I



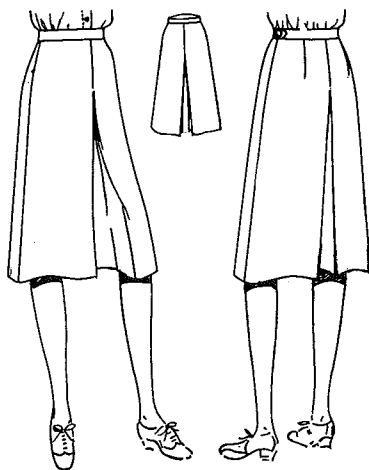
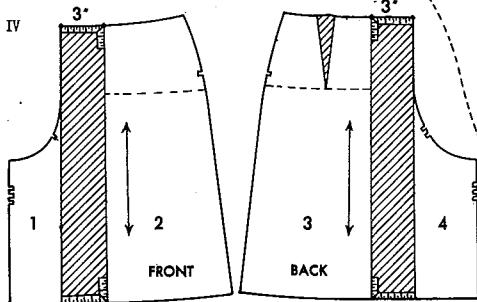
II



III



IV



Sketch shows front and back view of culottes with inverted pleat at center front and back.

This style is a combination of skirt and trousers in one (skirt length), and is suitable for sportswear.

I

Trace outline of the 2-piece skirt; then draft the culottes as follows:

II

- A to B - Equals center front length.
- C to D - Equals center back length.
- E to F - Equals side length.
- E to G - Equals crotch depth length plus 1" for ease allowance.
- B to H - Equals F to G.
- D to J - Equals F to G; then connect from H to J for crotch line.
- H to K - Equals half of H to G less 1". Square this line across at H.
- K to L - Equals H to B; then square down at K.
- L to B - Connect.
- J to M - Equals half of G to J, plus 1". Square this line across at J.
- M to N - Equals J to D; then square down at M.
- N to D - Connect.
- H to O - Equals 2". Draw diagonal line from H to O; then draw a curved line from center front to K through O.
- J to P - Equals 2-1/2"; then draw a curved line from center back to M through point P.

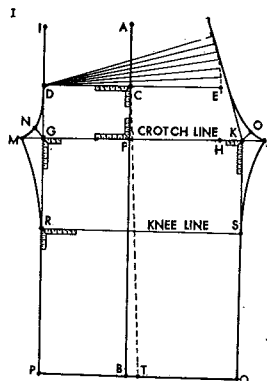
III

Cut out the front and back sections and use the center front and back lines for pleat lines; then mark sections 1-2-3-4.

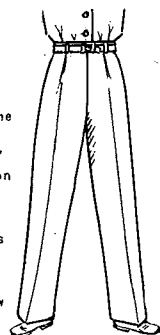
IV

Slash along center front and back lines; then spread about 3" for each pleat as illustrated. Allow seams on all edges and make corresponding notches.

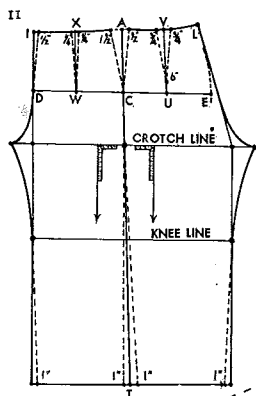
## HOW TO DRAFT THE SLACKS PATTERN



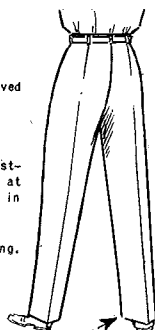
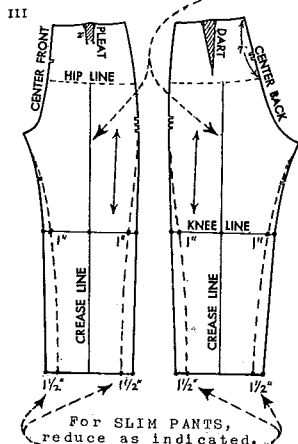
- I
- A to B - Equals side length measurement.  
 A to C - Equals  $6\frac{3}{4}$ " for size 12  
 $6\frac{7}{8}$ " for size 14  
 $7\frac{1}{2}$ " for size 16 and up.
- C to D - Equals  $\frac{1}{4}$  of hip measurement plus  $3\frac{3}{4}$ " for ease. Square this line across at C.  
 C to E - Same length as C to D. Extend line D-C to E; then pivoting at D, draw an arc-line above E.  
 A to F - Equals crotch depth measurement plus 1" for ease. Mark point F on line A-B.  
 G to H - Equals hipline D-E. Draw this line through F, parallel to hipline D-E.  
 G to I - Square this line up at G through D, making this line  $1\frac{1}{2}$ " less than A to F.  
 H to J - Equals  $\frac{1}{2}$  of line F to H. Extend line G-H to J.  
 H to K - Equals  $\frac{1}{2}$  of line H to J.  
 K to L - Equals line G-I (center front) plus 2" for center back line. Draw this line from K to L touching the outer most curve of arc line.  
 G to M - Equals length from K to J.  
 G to N - Equals  $1\frac{1}{2}$ ". Draw a diagonal line; then draw a curved line from D to M through N.  
 K to O - Equals  $1\frac{1}{4}$ ". Draw a curved line through O.  
 G to P - Equals length F to B. Square a line down at G.  
 K to Q - Equals length F to B. Square a line down at K.  
 P to Q - Connect for lower edge.  
 P to R - Equals  $\frac{1}{2}$  of line P to D.  
 R to S - Square a line across at R for knee line; then draw slightly curved lines from M to R and J to S for inner leg seam.  
 B to T - Equals 1"  
 T to C - Connect.



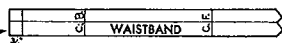
SLACKS



- II
- Draw waistline, slightly curved, from I to A to L. Reduce waistline to fit  $\frac{1}{2}$  of waist measure. First make part of reduction at sides and center front. Then make a dart in back and a pleat in front as follows:
- C to U - Equals  $\frac{1}{2}$  of C to E.  
 L to V - Equals  $\frac{1}{2}$  of back waistline; then draw a V-shaped dart, 6" long.  
 D to W - Equals  $\frac{1}{2}$  of D to C.  
 I to X - Equals D to W; then draw a V-shaped dart.

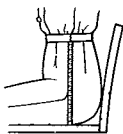
Bottom Width  $18\frac{1}{2}$ "  
Size 16

For crease lines on front and back, divide the knee and lower lines in half; then draw crease lines from bottom to hipline.



For waistband, make a double band  $1\frac{1}{2}$ " wide finished and the length of waist measure plus  $3\frac{3}{4}$ " extension for left side opening.

To complete pattern, allow for seams and hem. Make corresponding notches.



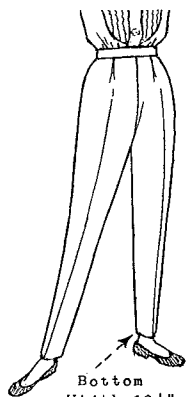
## HOW TO TAKE MEASUREMENTS

WAIST --- Take snug measurement.  
 HIP --- 7" below waistline.  
 CROTCH DEPTH --- From waist to chair.  
 SIDE LENGTH --- From waist to ankle.

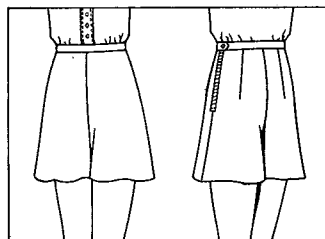
## CORRESPONDING BODY MEASUREMENTS

SIZE	12	14	16	18	20	40	42	44
WAIST	26	28	30	32	34	36	38	
HIP	33	35	37	39	41	43	45	47
SIDE LENGTH	40	41	41	41	42	42	42	42
CROTCH DEPTH (1" ease included)	12	12	13	13	13	13	14	14

SLIM PANTS

Bottom Width  $12\frac{1}{2}$ "  
Size 16





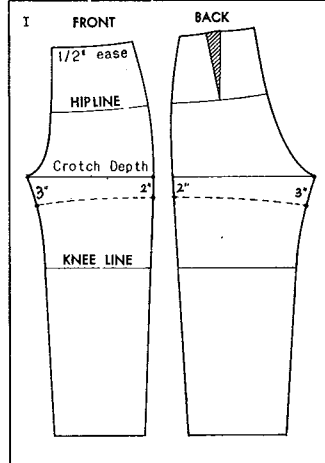
## STYLE I

Illustration shows plain shorts design with darts in back for close fitting waistline.

## I

Using the slacks foundation as a guide, trace front and back to a little below the crotch depth, as shown by dotted lines.

Instead of the  $1/2''$  pleat, ease at front waistline.



## II

For a slight additional flare at sides, add  $1''$  to front and  $1''$  to back at bottom to nothing at hip. For additional flare near inside leg seam, draw slash lines in front and back,  $2''$  from seam, and mark sections A, B, C and D; then slash and spread about  $1''$  at bottom, as shown in diagram III.

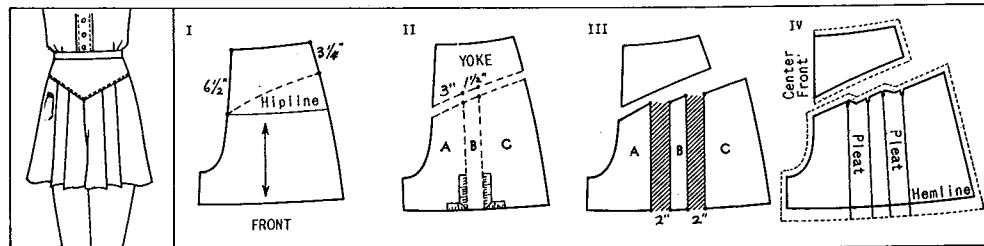
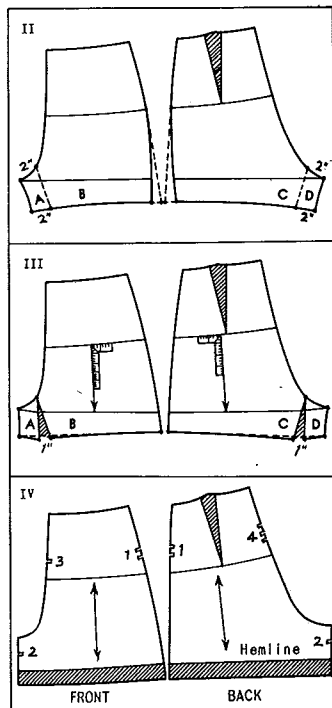
## III

Straighten lower edge as shown by dotted lines.

Draw grain line arrows by squaring from hip line.

## IV

Add seams on all edges and hem at bottom; then make corresponding notches.



## STYLE 2

Sketch shows yoke in front with side pleats below yoke about  $1-1/2''$  apart.

Back is same as in Style I.

## I

Use shorts front of Style I, shown above in diagram III, as a guide.

Draw yoke line slightly curved, as illustrated.

## II

Separate yoke and front section; then draw pleat lines, squaring them from bottom. Mark sections A, B and C.

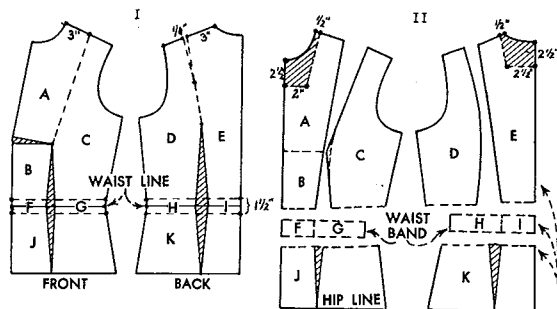
## III

Slash along pleat lines and spread about  $2''$  for each pleat.

## IV

Allow for seams and hem, as shown by dotted lines. Designate the width of pleats with notches.

Place center front of yoke on fold of goods.



**STYLE I**  
Dress consists of bodice with ruffle, waistband, and dirndl skirt. Dress has a back closing, and may be worn with or without sleeves.

For sleeveless dress, make bodice fit closer around the bust as shown in style 2 below, (diagram II).

**I**  
Using the dress foundation (hip length), divide front and back as shown by dotted lines; then draft waistband, 1-1/2" wide, and mark sections A to K.

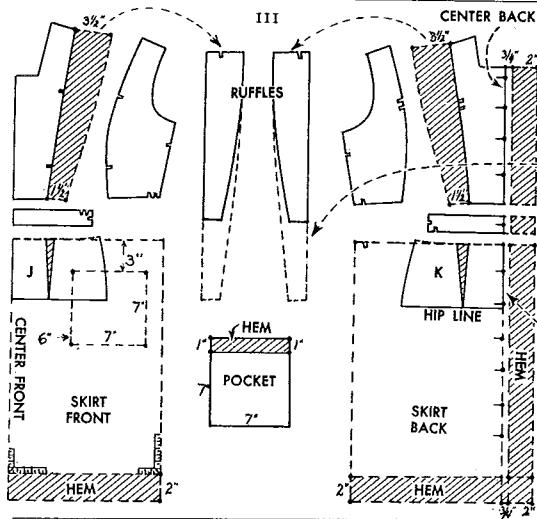
**II**  
Separate the bodice, waistband and hip sections, and eliminate the darts on the waistbands. Draft the square neck in front and back as shown by dotted lines.

**III**  
Draft the ruffle in front and back, 3-1/2" wide at top and 1-1/2" wide at bottom; then lengthen ruffle for gathers, making pattern half times greater in length than the original length.

For skirt, continue center front line down below hip, 20", and square line across at bottom, at least twice the size of the front waistband; then complete the front of skirt as shown by dotted lines. Repeat same process for back of skirt.

For back closing overlap, add 3/4" to center back on the 3 sections; then mark position for buttonholes. Draft pocket, 7" x 7" for skirt front.

Add seams and hems as illustrated; then make corresponding notches.



## STYLE 2

The skirt and waistband is same as for style I above.

To draft the bodice, use the upper part of the dress foundation as a guide.

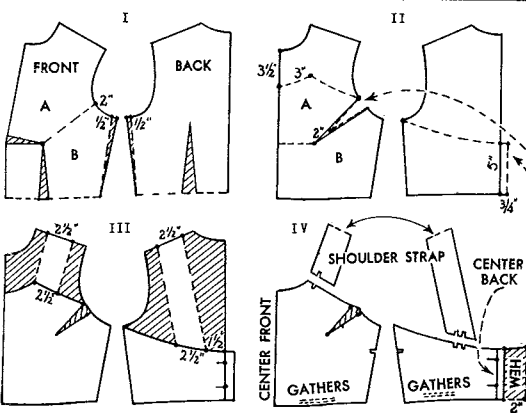
**I**  
Reduce width of front and back at bustline to nothing at lower edge. For armhole dart, draw line from armhole to breast point. Mark sections A and B; then slash and spread by closing up front dart as shown in diagram II.

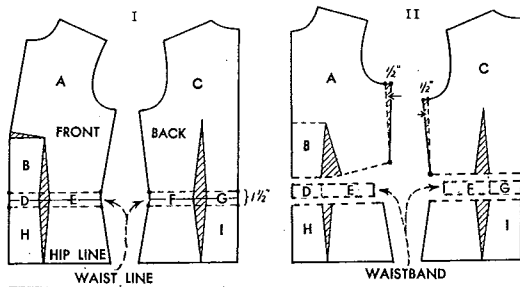
**II**  
Draft new necklines in front and back as shown by dotted lines; then for back closing overlap, add 3/4" to center back.

**III**  
Draft shoulder strap in front and back as shown by dotted lines.

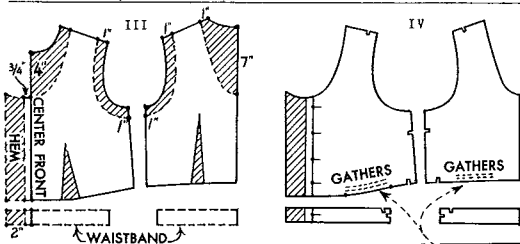
**IV**  
Shoulder strap may be made into one pattern by joining at shoulder line. Add hem in back; then allow seams and make corresponding notches.

## STYLE 2



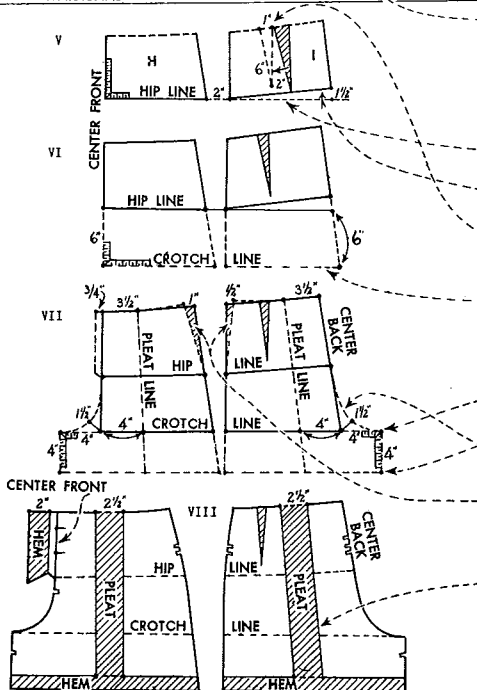
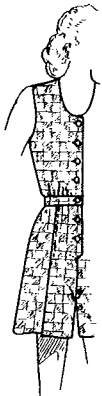


Garment consists of a bodice, waistband and shorts.  
It has a front closing to hipline.  
Shorts feature side pleats in front and back.



I  
Trace dress foundation (hip length),  
then draft the waistband, 1-1/2",  
wide as shown by dotted lines. Mark  
sections A to I.

II  
Separate the bodice, waistband, and hip sections, and eliminate the darts on the waistbands.  
Reduce width of front and back at bustline to nothing at lower edge as shown by dotted lines.



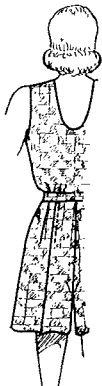
III  
Draft deeper neckline and armhole  
in front and back.

Add  $3/4"$  to center front of bodice and waistband for front closing overlap; then add a  $2"$  hem in front as shown by dotted lines.

IV  
Mark position for buttonholes at even intervals; then add seams and make corresponding notches.

In place of the waist darts in front and back, mark gathering lines at waistline.

## DRAFT OF SHORTS



Using the hip part of the dress foundation, first trace the front section; then square a line across (indefinite length) at hipline.

Place back section on hipline, 2" from front, lifting center back, 1-1/2" above hipline; then trace. Shift dart, 2" toward the side, making the dart 6" long, and 1" wide at waistline.

VI  
Continue the center and side lines down to crotch depth, making the crotch line 6" below hip for size 16, with 1/4" grade for each size.

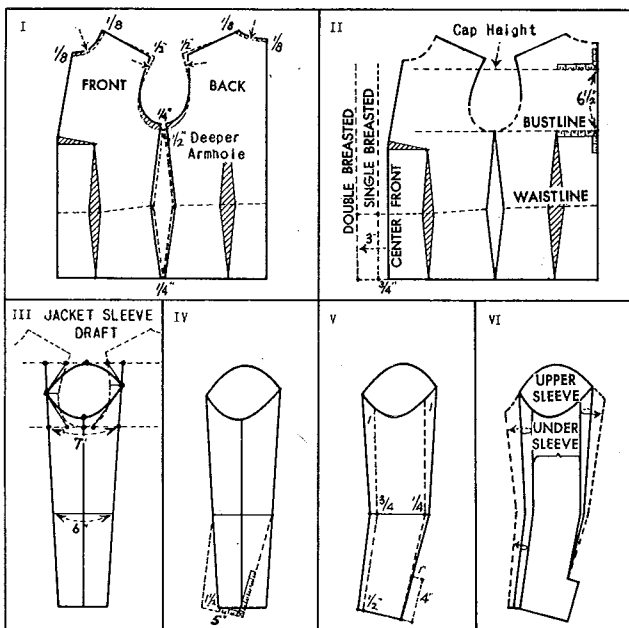
VII  
Continue the crotch line across, 4" beyond center front and back for size 16, with 1/8" grade for each size; then lengthen shorts, 4" below the crotch line. Draw the curved lines at center front and back below hipline.

Reduce side seams at waistline to nothing at hip as shown by dotted lines.

For front closing overlap, add 3/4" to center front from waist to hip. For pleats, draw lines in front and back as indicated; then slash and spread as shown in diagram VIII.

VIII  
Add seams and hems; then make corresponding notches.





## JACKET FOUNDATION

I  
Using the dress foundation as a guide, trace front and back 1/4" apart at side seam; then broaden the shoulders 1/2", lower the armhole 1/2", and lower the neckline 1/8" as shown by dotted lines.

II  
For single breasted jacket, add 3/4" to center front; for double breasted, about 3".

For jacket sleeve, use method of drafting as given for dress sleeve, but making cap height 1/2" greater than for the dress sleeve, due to the deeper armhole.

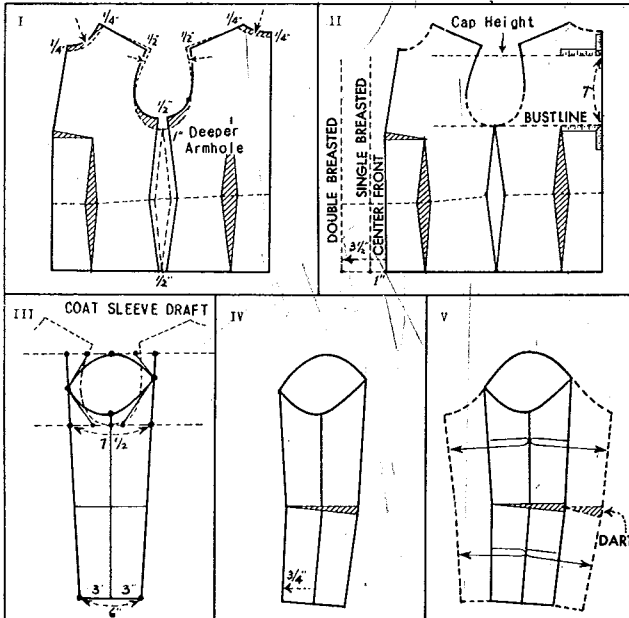
## III DRAFT OF JACKET SLEEVE

This chart shows draft of sleeve made wider at arm and elbow to provide the jacket sleeve with greater width than the dress sleeve. The underarm length is 17-3/4".

IV  
The dotted lines show the shaping of the sleeve 1-1/2" forward, and 5" wide at lower edge.

V  
Mark the position for seams which form the under sleeve section. The extension at the lower back edge is for the placket.

VI  
Complete the upper sleeve section by tracing the front and back parts, as shown by dotted lines.



## COAT FOUNDATION

I  
Using the dress foundation as a guide, trace front and back 1/2" apart at side seam. Lower the neckline 1/4" and armhole 1", then broaden shoulders 1/2".

II  
For a single breasted coat, add 1" to center front; for double breasted, about 3-1/2".

For coat sleeve, use the same method as given for the dress sleeve, but make cap height 1" greater than the dress sleeve.

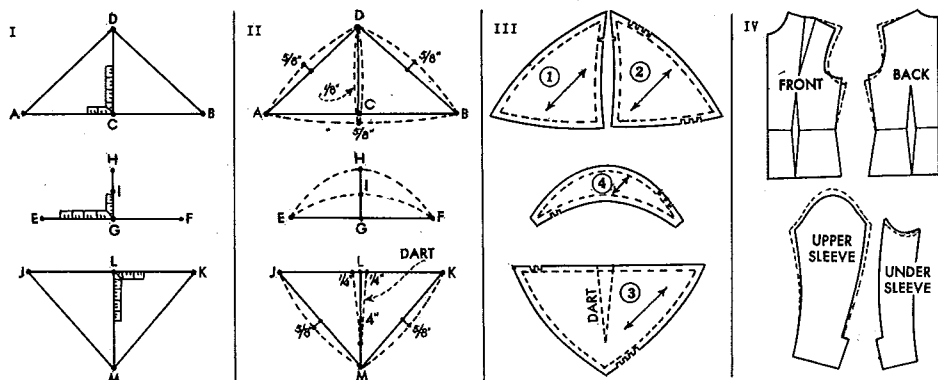
## III DRAFT OF COAT SLEEVE

This chart shows draft of sleeve made to conform with the dimensions of a coat sleeve, with underarm length 17-3/4".

IV  
For a slightly shaped sleeve, bring lower part of sleeve forward about 3/4".

V  
Trace front and back of sleeve as indicated by dotted lines; then draw a V-shaped dart along back of sleeve at elbow.

NOTE: For Jacket and Coat foundations, seams are to be allowed on all sewing edges.



## HOW TO DRAFT THE JACKET PAD

Make shoulder pad pattern in 4 sections.

Section 4 is used only when making a pad cover.

The pad cover is used mainly for unlined Jackets and Coats.

I and II

Draft top sections of pad as follows:

A to B - 10" for size 16 (with 1/8" grade for each size).

A to C - 5". (This equals half of A to B).

C to D - 4-3/4" for size 16 (with 1/8" grade for each 2 sizes).

A to D - Connect.

D to B - Connect; then draw curved lines as shown in diagram II.

Draft outer section of pad as follows:

E to F - 7-3/4" for size 16 (with 1/8" grade for each size).

E to G - 3-7/8". (This equals half of E to F).

G to H - 2-7/8".

H to I - 1-3/8". This represents the thickest part of the pad. Then draw curved lines as shown in diagram II.

Finally draft bottom of pad as follows:

J to K - 9" for size 16 (with 1/8" grade for each size).

J to L - 4-1/2". (This equals half of J to K).

L to M - 5" for size 16 (with 1/8" grade for each 2 sizes).

J to M - Connect.

M to K - Connect; then draw curved lines as shown in diagram II.

Draw a V-shaped dart 4" long and 1/2" wide at point L.

III

To complete the pattern for the pad cover, allow seams (about 1/4"), and make corresponding notches.

Mark sections 1 to 4.

## FOR THE COAT PAD

Make draft, same as for the jacket pad, but make the following changes:

A to B - 12"

A to C - 6"

E to F - 9-1/2"

E to G - 4-1/4"

G to H - 3-3/8"

J to K - 11"

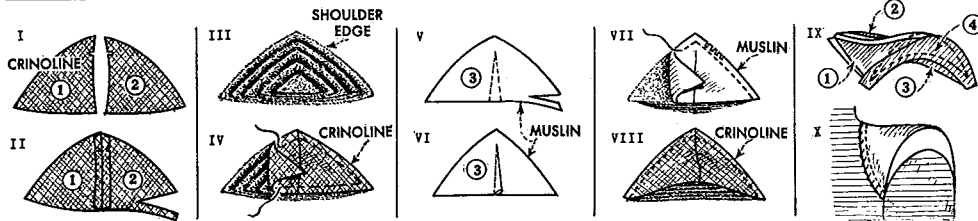
J to L - 5-1/2"

Make V-shaped dart 1" wide at point L.

IV

## HOW TO ADJUST PATTERN FOR SHOULDER PAD

Adjust front, back and sleeve according to the directions given for the dress pad on page 15.



## HOW TO MAKE THE JACKET PAD

I

Cut out sections 1 and 2 in crinoline; then stitch seam, taking up 1/4" seam.

II

Press seam open; then cut away 1/4" seam allowance on outer edge.

III and IV

Cut 1 layer of cotton batting, the same shape as crinoline; then cut 4 more layers, each 3/4" smaller on shoulder edges (for coat cut 6 more layers, each 1/2" smaller on shoulder edges). Arrange in position as illustrated; then place crinoline on top and baste, thinning batting to nothing at shoulder edges.

V and VI

After cutting out section 3 in muslin, trim away 1/4" seam allowance on outer edge; then make dart by stitching together on dart lines.

VII

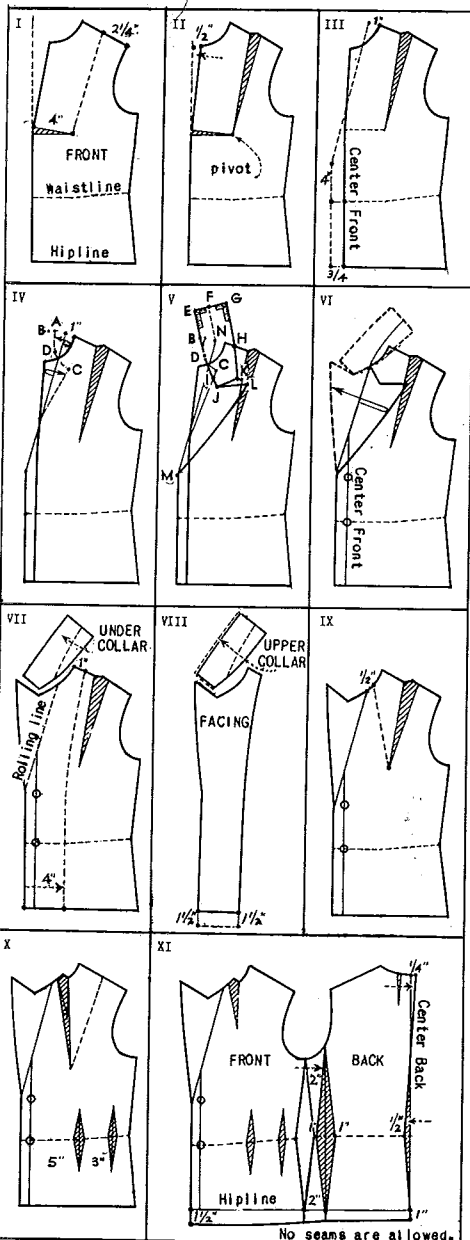
Place muslin against cotton side of shoulder pad and baste.

VIII

This diagram shows finished pad.

## IX and X - PAD COVER

Seam section 1 to section 2; then sew section 4 to sections 1, 2 and 3 taking up 1/4" seams. Turn right side out. Slip pad between edges of cover. Stitch raw edges together; then overcast.



Jacket, single breasted, with shoulder or neck dart fitting.  
Waist darts form fitted waistline.

Jacket has a seam at center back and darts at back neckedge.

The collar has a 1-1/4" stand at center back, and 1" stand at shoulder seam.

## I

Using the jacket foundation, mark position for shoulder dart; then continue to draw a straight line at center front, as shown by dotted lines.

## II

For shoulder dart, swing upper part of front to within 1/2" of dotted line by pivoting at breast point.

## III

For single breasted jacket, add 3/4" to center front, bringing line to 4" above waistline. From that point, draw the rolling line, stopping 1" away from neck at shoulder seam.

## IV

Fold on rolling line; then trace neck and center front, as shown by dotted line.

A to B - 1/4". (For heavier material as cheviot, etc., mark point B 3/8" from A). This gives the outer edge of the collar the necessary ease over the shoulder.

D --- Mark point D in center between A and C.

## V

B to E - 3". This equals back of neck. Draw a straight line from D to E through B.  
E to F - 1-1/4". This equals the stand of collar at back of neck. Square a line across at E.  
E to G - 3". This line is twice the collar stand plus 1/2".  
G to H - Square a line down to shoulder seam.  
H to J - 1/2". Mark point I, 1/2" below center front line.  
C to J - Draw a straight line from D to J, 1/2" past I.  
J to K - 1-3/4", making point K about 3" below H.  
J to L - 2-1/2". Draw this line about 1/4" below K.  
L to M - Draw a slightly curved line.  
F to N - Connect for rolling line.

## VI

Trace revers to complete the front.

## VII

For facing, trace front, making it 1" wide at shoulder and 4" wide at lower edge.

## VIII

Lengthen facing 1-1/2" to correspond with the front, as shown in diagram XI.

Make upper collar 1/8" wider than under collar.

## IX

For neck dart, mark a line from neck (1/2" from rolling line) to breast point.

## X

Close shoulder dart to form neck dart; then draw V-shaped dart about 4" long.

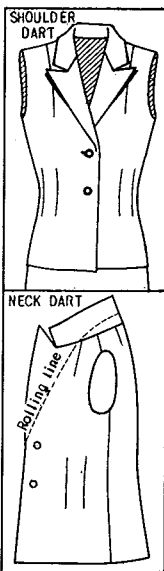
Draw 2 waist darts 6" long, 3" above and 3" below the waistline. Make each dart 1/2" wide at waistline.

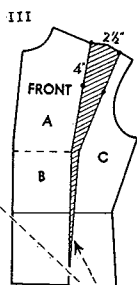
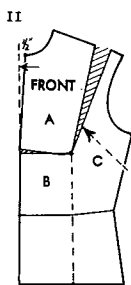
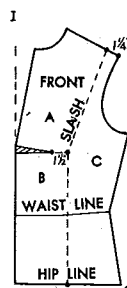
## XI

Complete draft by tracing back foundation to the front with side seams even; shift side seam toward back 2" and reduce 1" each side of line at waist.

Draw new center back line, reducing 1/2" at waist, and adding 1/4" at neck.

Make a neck dart 3" long and 1-1/2" from center back. Lengthen 1" at center back and 1-1/2" at center front.





## CARDIGAN

This style jacket is usually single breasted with a V-neck front. Some of the features of this style are as follows:

Front shoulder tuck, 1-1/4" deep at armhole.

Double waist darts in front below waistline.

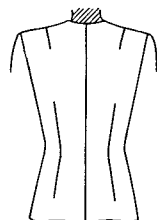
Shoulder dart in back.

Seam at center back with waist darts in back, 10" long.



I  
Use the jacket foundation to draft this pattern.

Mark position for shoulder tuck slash line from shoulder to bust and down to hip line as indicated. Mark sections, A to C.



II  
Slash from shoulder to bust and swing section A to within 1/2" of dotted line.

III  
To make the 1-1/4" deep shoulder tuck, slash from bust to hip line and spread section C, 2-1/2" at shoulder, as illustrated. Mark dots on tuck lines to indicate a 4" long tuck.

IV  
For single breasted closing, add 3/4" (maximum 1") to center front.

Draft V-neck line, 5" below high neckline.

Lengthen jacket front 1-1/2" at center front, and 1" at side seam.

Mark position for buttons and buttonholes, about 3-1/2" apart at center front.

Draft the waist darts, 8" long (4" below, and 4" above the waistline, as indicated. Use the part of the darts below waistline only, as shown in diagram V. Curve the side seam slightly below waistline.

V and VI  
Draft facing 1-1/2" wide at shoulder and 3" wide below bust. Add 1" hem at bottom of front.

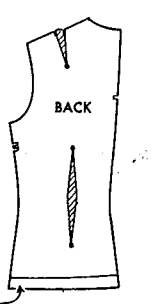
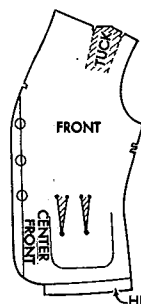
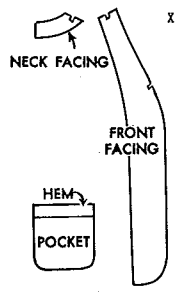
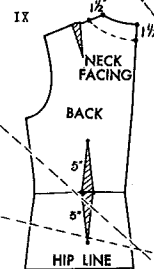
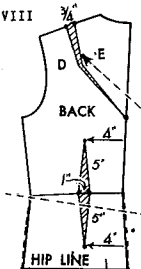
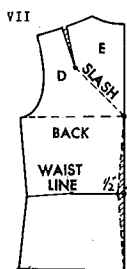
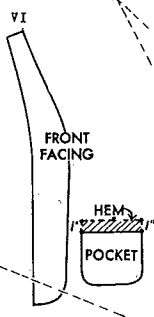
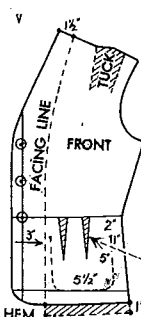
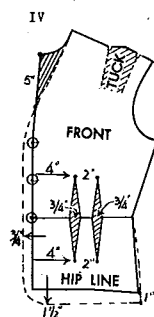
Draft pocket 5" deep and 5-1/2" wide; then add 1" hem at top of pocket.

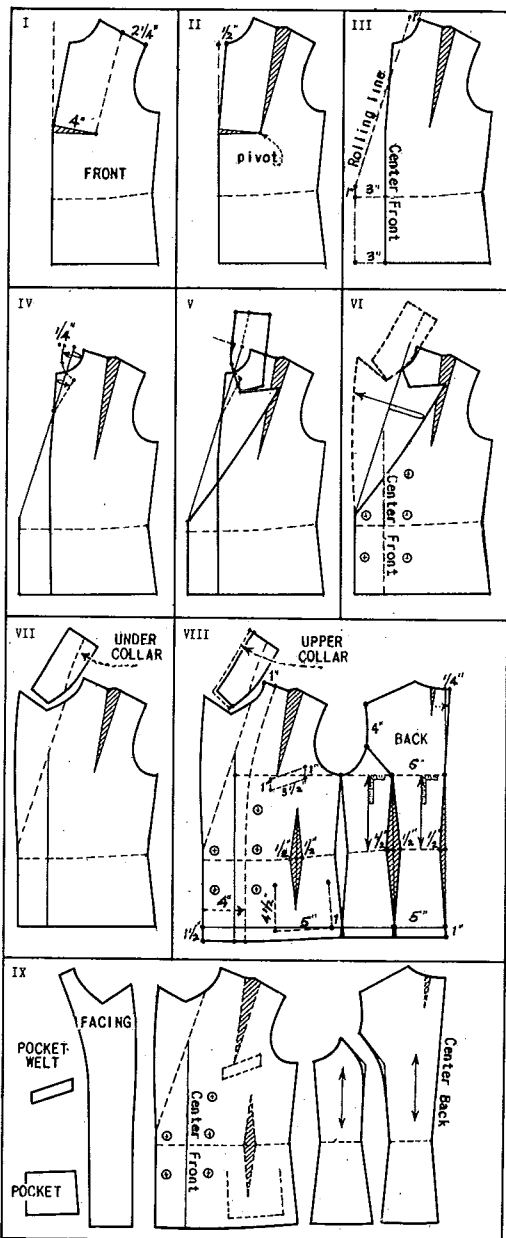
VII  
Reduce 1/2" at center back waistline, to nothing at hip and bustline. Increase the 1/4" shoulder dart in back to 3/4", as shown in diagram VIII.

VIII  
Draft the back waist dart, 10" long. Lengthen back, 1" below hip line; then curve the center back and side seam line, slightly.

IX  
Add 1" hem at bottom of back. Draft the neck facing, 1-1/2" wide, as shown by dotted lines.

X  
To complete the pattern, add seams and make corresponding notches.





Sketches show the front and side view of the jacket. Front has shoulder dart and waist dart fitting.

Back has a seam at center back and is in 4 sections. Jacket has the regular notch collar.

Use the jacket foundation to draft this pattern.

I

Mark position for shoulder dart; then continue to draw a straight line to the top at center front.

II

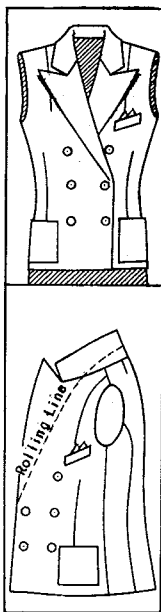
For shoulder dart, swing upper part of front to within 1/2" of dotted line.

III

For double-breasted front, add 3" to center front, bringing line 1" above the waistline. From that point, draw the rolling line, as shown by dotted line, stopping 1" away from neck at shoulder.

IV

Fold paper on rolling line; then trace neck, center front, and part of shoulder, as shown by dotted lines.



V

Draft the notch collar and revers, using the same method and directions as given for the notch collar of single breasted jacket.

VI

Complete the front by tracing the revers, as shown by dotted lines.

VII

This diagram shows front and under collar separated. Dotted line indicates the rolling line.

VIII

For upper collar, trace under collar 1/8" wider. For front facing, trace front, making facing 1" wide at shoulder and 4" wide at waistline and lower edge. Draw a waist dart in front 10" long, 5" above and 5" below waistline, and 4" from side seam.

Complete jacket draft by tracing the back foundation; then draw new center back lines and neck dart as for the single breasted jacket.

Divide the back into two sections, and reduce at waistline, as indicated in the diagram.

Lengthen jacket; then mark position for pockets.

IX

This diagram shows the outline of the pattern pieces traced from the draft.

Curve the seam lines of the back sections at the corners, near the armhole.



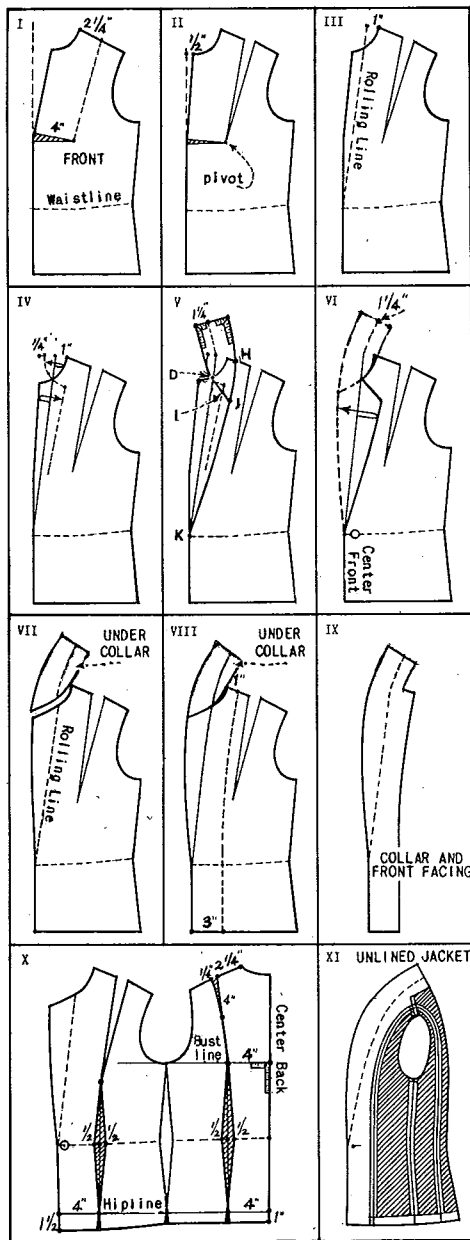


Illustration shows jacket fastened with link buttons at waistline. Collar has 1-1/4" stand at center back, and 1" stand at shoulder seam. Upper collar and front facing are in one piece, with seam at center back. Jacket is a 7 gore style.

## I

Using the jacket foundation, mark position for seam in front, from shoulder to breast point; then draw a straight line at center front, as shown by dotted line.

## II

Swing upper part of front to within 1/2" of dotted line, pivoting at breast point; then trace.

## III

Draw the rolling line from waistline up, beginning at center front and stopping 1" away from neck at shoulder seam.

## IV

Fold paper on rolling line; then trace neck, center front, and part of shoulder, as shown by dotted lines.

## V

Draft the shawl collar from A to I, using the same method and dimensions as for the notch collar; then continue as follows:

D to J - Draw a straight line from D to J, 1" past I.

H to K - Draw a slightly curved line, passing through point J.

## VI

Fold paper on rolling line and trace revers to complete front.

## VII

This diagram shows under collar and front separated with the rolling line indicating the stand in collar.

## VIII

For facing and upper collar in one, place under collar to neckedge of front and trace, making facing 1" wide at shoulder, and 3" wide at lower edge.

## IX

This diagram shows upper collar and facing in one. Facing must be lengthened to correspond with the front length, as shown in diagram X.

## X

Complete the draft by tracing back foundation to the front with side seams even; then divide back and front into 4 sections as follows:

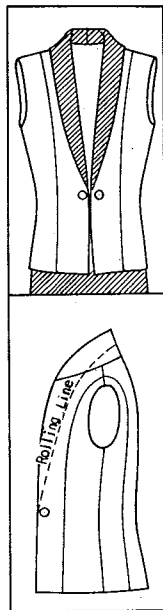
For back, square a line across at bust line from center back; then draw a straight line from bustline to hip, 4" from center back, and from bustline to shoulder, 2-1/4" from neck. Reduce shoulder 1/4" to nothing, 4" below shoulder.

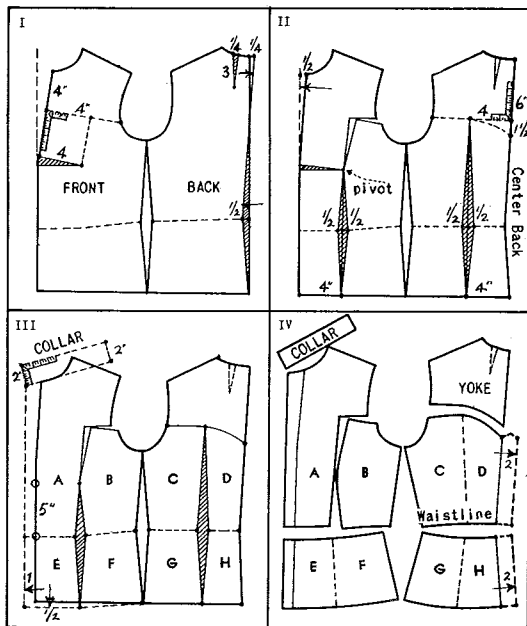
For front, draw a straight line from breast point to hip, 4" from center front.

For semi-fitted jacket, reduce at waistline 1/2" each side of straight line to nothing at bust and hiplines; then lengthen as indicated.

## XI

Inside view of unlined jacket.





## JACKET WITH PEPLUM

Illustration shows jacket with yoke and inverted pleat in back.

## I

Mark position for seam in front above breast point as shown by dotted lines. Trace back; then draw new center back lines. Make neck dart in back. Reduce at waistline.

## II

Swing upper part of front to within  $1/2$ " of straight dotted line; then trace. Divide front into two parts below breast point; then reduce at waistline. Draft yoke in back and reduce at waistline.

## III

Add  $1$ " to center front, and lengthen  $1/2$ " at center front.

Make a straight collar  $2$ " wide and the length of the neckline.

## IV

For peplum, separate at waistline; then join sections E and F for front peplum, and sections G and H for back peplum.

Reduce back of jacket at waistline by joining sections C and D in one.

For inverted pleat, add about  $2$ " at center back.

## ETON JACKET

An Eton style is a short jacket about waist length, with sleeves. It may be single or double breasted or as illustrated. It can also be made with a collar.

## I

Mark position for shoulder darts in front and back.

## II

Swing upper part of front to within  $1/2$ " of center front dotted line; then draft revers.

## III

Trace revers to complete front. Shorten front and back at waistline.

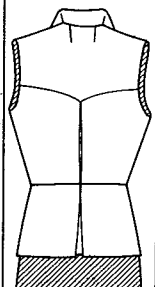
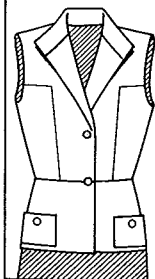
## BOLERO

A Bolero style is, as a rule, a sleeveless garment, usually the length of an Eton jacket. It is collarless, and the front is rounded.

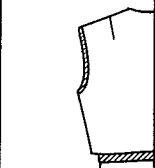
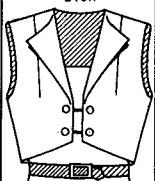
## IV

The draft shows front of Eton with dotted line indicating the outline for a Bolero front. The back for Bolero and Eton is alike.

## JACKET WITH PEPLUM



## ETON



## BOLERO

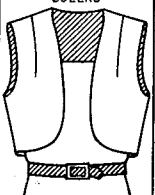
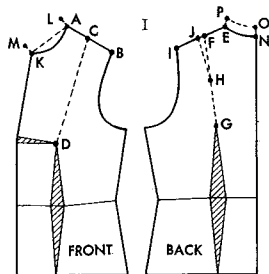
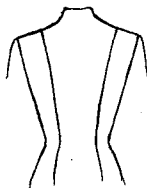
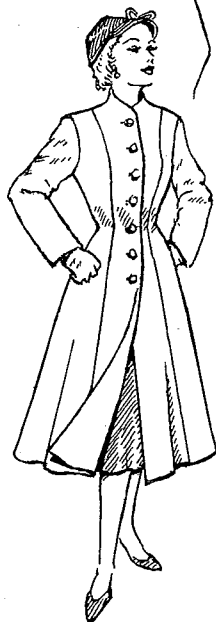


Illustration shows coat with 1" higher neckline.



# DRAFT OF COAT

Using the coat foundation as a guide, divide FRONT into two parts as follows:

- A to B - Equals front shoulder.
- A to C - Equals half of shoulder.
- C to D - Draw straight line from point C to top of dart.
- Divide BACK into two parts as follows:
- E to F - Equals A to C on front shoulder.
- F to G - Draw straight line from point F to top of dart.
- F to H - Equals half of line F-G.
- I to J - Equals B to C on front shoulder.
- J to H - Connect.

For a 1" higher neckline, draft as follows:

## FRONT

- A to K - Draw a straight line from A to K.
- A to L - 1". Square from line A-K at A.
- K to M - 1". Square from line A-K at K; then draw a curved line from L to M, parallel to the neckline, as shown in diagram II.

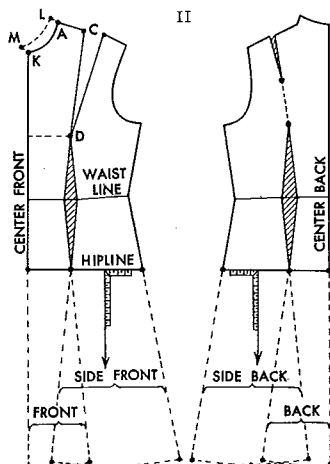
## BACK

- N to O - 1". Continue center back line up, N to O.
- E to P - 1". Be sure that the distance from P to O equals E to N, less 1/2"; then draw a curved line from E to P, parallel to neckline.

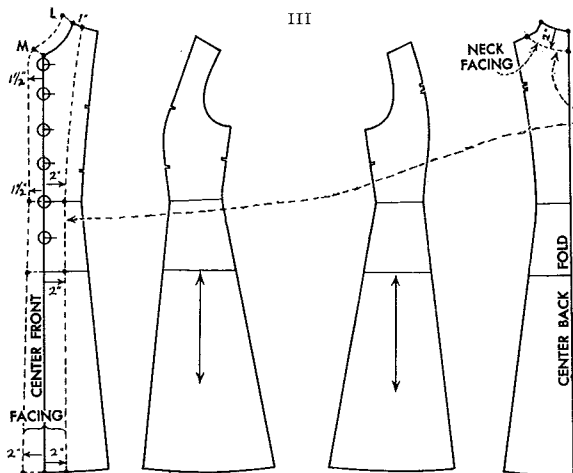
## II

Slash FRONT from shoulder C to point D, then close up front dart as illustrated. Continue lines down below hipline to required length, as shown by dotted lines.

For grain lines, mark arrows on SIDE sections by squaring from the hipline.



## III

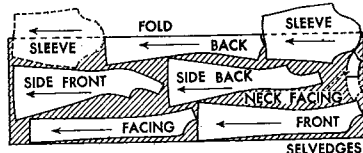


## III

For overlap on FRONT, add to center front, as shown by dotted line; then mark position for buttons and buttonholes.

Make facing sections for front and neck, as shown by dotted lines.

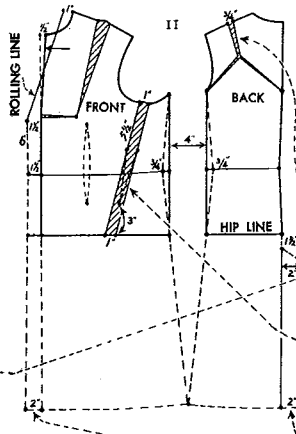
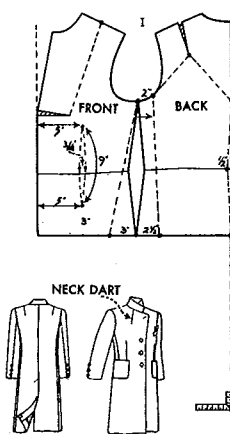
The cutting diagram below shows how to lay the pattern pieces of size 14 or 16 on 54" nap material.







Sketches show Chesterfield Style Coat, single breasted, with notch collar, 2-piece shaped sleeves, patch pockets, and vent in back.



## DRAFT OF COAT

I  
Using the coat foundation as a guide, trace front and back; then shift side seam toward back, 2" at top, and 2-1/2" at bottom.

Mark shoulder dart line; then, continue center front line up as shown by dotted line.

For shoulder dart, swing upper part of front to within 1/2" of dotted line as shown in diagram II. Increase back shoulder dart from 1/4" to 3/4" as shown in diagram II.

Make an oval shaped waist dart in front as indicated.

Continue center back line down, for 42" length; then reduce 1/2" at waistline, as shown by dotted lines.

For side dart in front, first draw slash line from armhole at side, to hipline 3" from side; then slash and spread 1" and mark the V-shaped dart as shown in diagram II.

II  
Separate front and back at new side seam line and spread section about 4" apart; then draft coat to bottom, reducing 3/4" at each side seam of waistline, adding a 2" vent at lower center back, and adding at center front for front closing, as shown by dotted lines. Draw rolling line for revers.

III  
For revers and notch collar, use same method of drafting as described for the box coat.

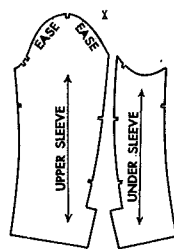
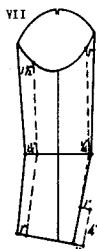
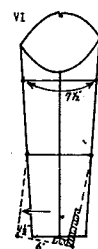
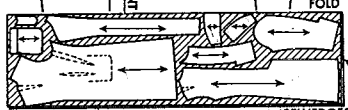
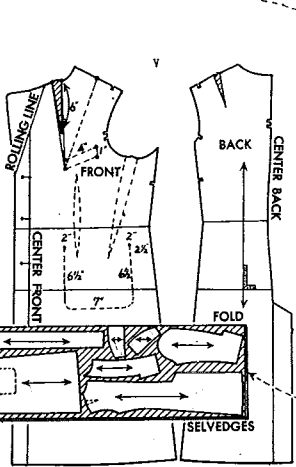
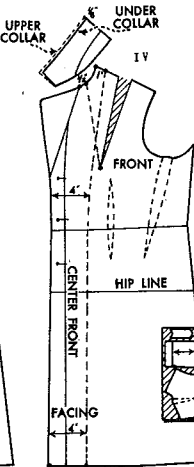
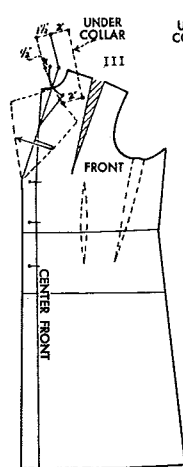
IV  
Make facing and upper collar as shown by dotted lines.

Draw slash line for neck dart from breast point to neck, 1/2" from rolling line; then slash and spread for neck dart by closing up shoulder dart as shown in diagram V. Draw V-shaped dart 6" long.

V  
Mark positions for patch pocket and pocket welt.

Add seam allowance in pattern sections and a hem at bottom; then make corresponding notches.

The insert in draft contains cutting diagram, showing this pattern in size 14 or 16 laid on 54" nap material.



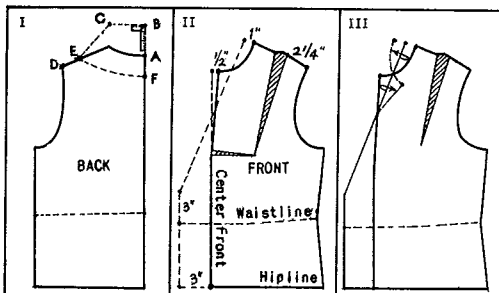
## DRAFT OF 2-PIECE SHAPED SLEEVE

Draft coat sleeve as shown in draft of coat foundation, Diagram III; then shape sleeve below elbow line, 1-1/2" toward front as shown by dotted lines.

VII  
Dotted lines show position for under sleeve seams. The extension at lower back edge is for the placket.

VIII and IX  
Complete the upper sleeve section by tracing the front and back parts as indicated.

X  
Allow seams and make corresponding notches.



COAT WITH DEEP NOTCH COLLAR  
Illustrations show coat with a wider collar than the regular notch collar. The collar has a 1-1/2" stand at center back; 1" stand at shoulder.

#### I BACK OF COLLAR

A to B - 3".  
B to C - 3-1/2".  
D to E - 1-1/2".  
C to E - Connect.  
B to F - Equals C to E plus 1/4".  
E to F - Draw a curved line.

#### II FRONT ROLLING LINE

Form shoulder dart; then draft double-breasted front, and draw rolling line, as shown by dotted lines.

#### III

Fold on rolling line and trace neck and center front.

#### IV

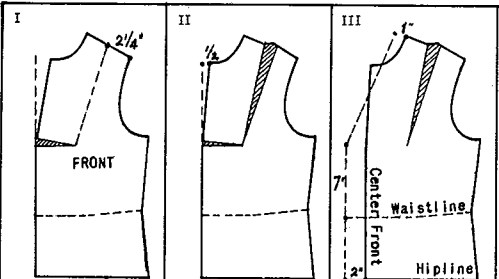
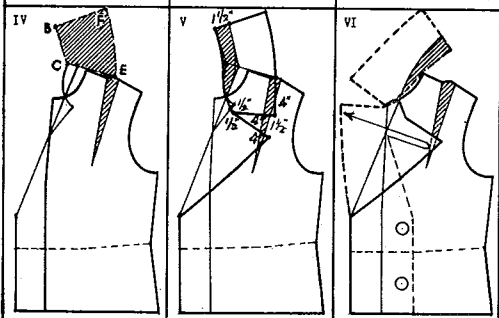
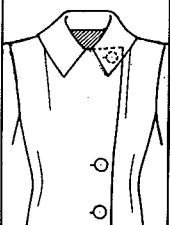
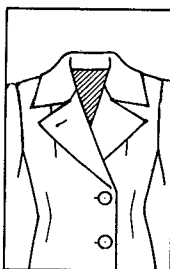
Apply back of collar to front, as shown by dotted lines.

#### V

Draft front part of collar and revers, using the same method as for the notch collar (page 68).

#### VI

Trace revers to complete the front.



#### COAT WITH REGULAR NOTCH COLLAR AND HIGH REVERS

Illustration shows coat with notch collar, having 1-1/2" stand at center back, and 1" stand at shoulder.

This collar is similar to the jacket notch collar, the difference being in the ease allowance when drafting the back of the collar (see explanation on page 68, detail IV).

Since coat materials are usually very heavy, there is an ease allowance of 1/2" compared to the 1/4" or 3/8" ease allowance for the jacket notch collar.

#### I and II

Using the coat foundation, first make shoulder dart in front, as illustrated.

#### III and IV

Make front wider, draw rolling line, and trace neck and center front.

#### V

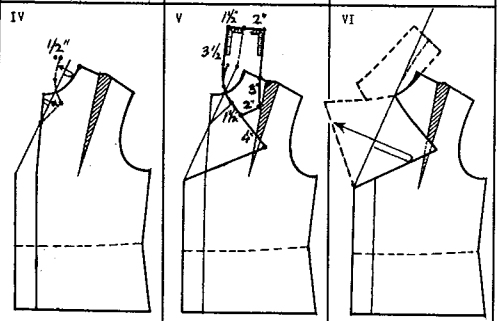
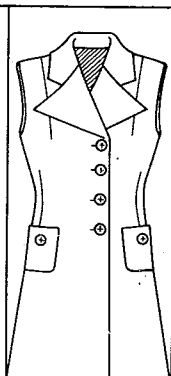
Draft notch collar and revers, using the same method given for the regular notch collar draft, but according to the measurements given in this diagram.

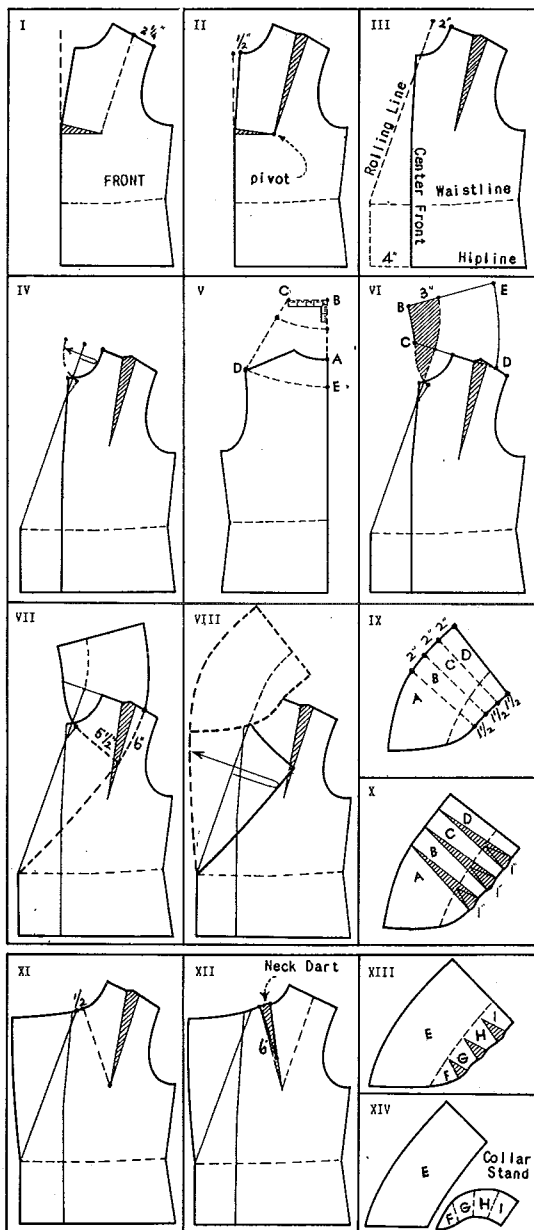
Note the 3/4" allowance for ease at shoulder.

Back of collar is 3-1/2" wide, or 1-1/2" for the stand and 2" for the outer part.

#### VI

Trace revers as illustrated, to complete the front.





# SHAWL COLLAR WITH DARTS IN BACK

Illustration shows collar with a 3" stand in back. The darts in back cause the collar to stand away from the neck. This is necessary because of the high stand.

I and II  
Using the coat foundation, draft the shawl-dart in front, as illustrated.

III and IV  
Make front wider below waistline and draw rolling line; then trace neck and center front.

V  
BACK OF COLLAR  
A to B - 6".  
B to C - 3-1/2".  
C to D - Connect.  
B to E - Equals C to D plus 1/4".  
D to E - Draw a curved line.

VI  
Apply back of collar to front as shown by dotted lines.

VII  
Draft front part of collar and revers, using the same method as shown for the jacket shawl collar (page 61).

VIII  
Trace revers to complete the front.

IX  
Mark the position for the darts, as shown by dotted lines.

X  
Spread collar sections; then draw V-shaped lines for darts.

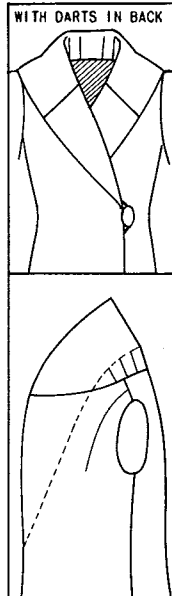
SHAWL COLLAR WITH SEPARATE COLLAR STAND  
Illustration shows coat with neck dart in front, and collar with a separate stand.

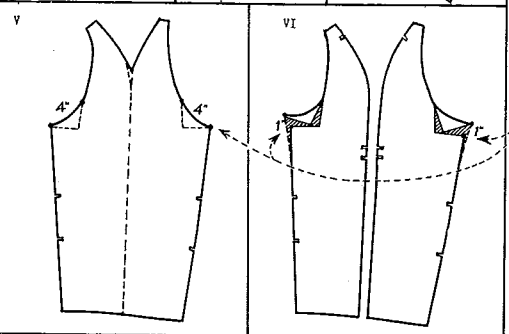
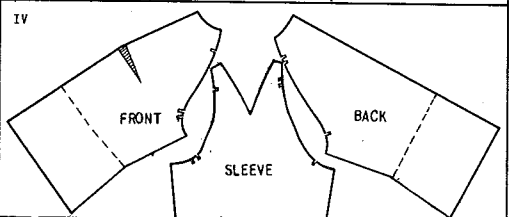
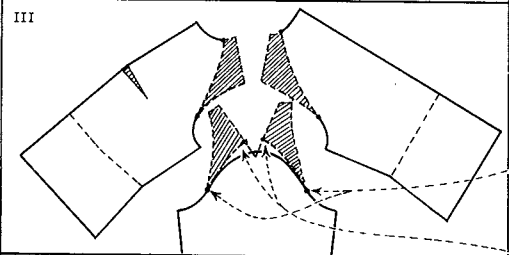
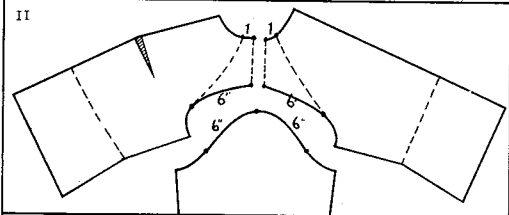
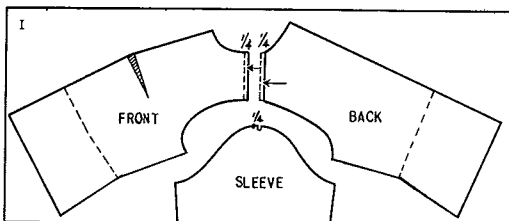
This collar is cut in two parts to allow the outer part to be cut in fur and the stand in material.

This is to prevent skin irritation sometimes caused by fur rubbing against the neck.

XI and XII  
These diagrams show how to draft the neck dart.

XIII and XIV  
For separate collar stand, cut through rolling line; then close the darts and trace stand in one piece.





### RAGLAN SLEEVE WITH SHOULDER DART

I  
Using the coat foundation of the front, back and sleeve, shift the shoulder seam forward  $1/4$ ". Also shift the shoulder notch on the sleeve toward the front,  $1/4$ ".

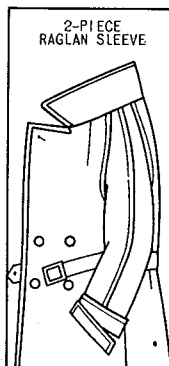
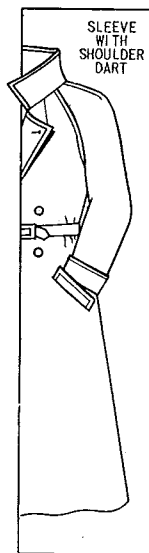
II  
Draft the raglan armhole lines on the front and back, as shown by dotted lines.  
Mark dots on front and back part of the sleeve cap to correspond with the dots on the armhole.

III  
Cut away the shoulder sections of the front and back, and apply them to the cap of the sleeve, having the sections touch the side of the sleeve cap at a corresponding position. The space between the sleeve cap and the shoulder sections equals the shoulder extension on the coat. For example: For a 1" broader shoulder, make space between sleeve cap and shoulder sections 1" deep, etc.

IV  
Allow seams and mark corresponding notches.

### TWO-PIECE RAGLAN SLEEVE

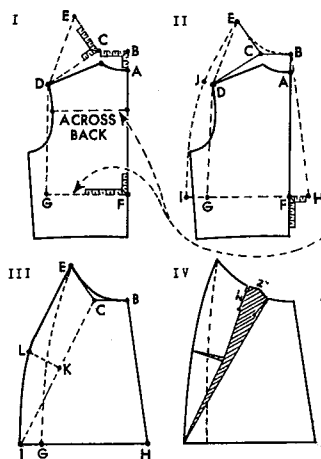
V and VI  
The method of making this sleeve is to divide the dart sleeve in two parts, as shown by dotted lines. The allowance under the arm may be given to any sleeve which is made for the deeper armhole. The amount to be added at the top of the underarm seam depends on the depth of the armhole of garment. For example:  
For 1" deeper armhole, allow 1" to the underarm length of the sleeve, as illustrated. For  $1-1/2$ " deeper armhole, add  $1-1/2$ ", etc.  
Allow seams and mark corresponding notches.





## HOW TO DRAFT THE HOOD PATTERN

Sketch shows how to take "Head Height" measurement. Other views show Hood faced with contrast lining. Hood has a 2" turn back at top of front, and a pleat at each side of neckline. Use the back foundation, size 16, to draft the hood.

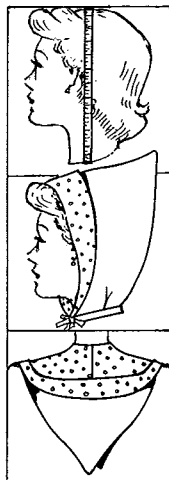


I  
A to B - Equals 2". Extend center back line up, 2".  
B to C - Equals 3" (Back of Neck).  
C to D - Draw line from point C to D at armhole.  
C to E - Equals 4" (Front of Neck). Square a line up from line C-D; then connect E to D.  
B to F - Equals 14" (Head Height, plus 4").  
D to G - (Across Back Measurement, plus 1").  
G to D - Connect.

II  
F to H - Equals 2" (allowance for back of head).  
G to I - Equals 2" (extension for turn back).  
D to J - Equals 1". Then connect from E to J to I.  
E to B - Draw curved neckline for Hood.  
H to B - Connect.

III  
For pleat at shoulder, draw slash line from C to I. Then mark point K in center of line C-I, and point L in center of line E-I. Slash from C to I, and from K to I; then spread 2" at C for the pleat, as shown in diagram IV.  
If preferred, a dart or gathers may be used instead of the pleat.

IV.  
Add seams and mark pleat lines 2" long.



## HOW TO DRAFT THE CAPE PATTERN

Illustration shows cape with shoulder dart fitting and with minimum sweep at lower edge (60° sweep, and 42" length for size 16).

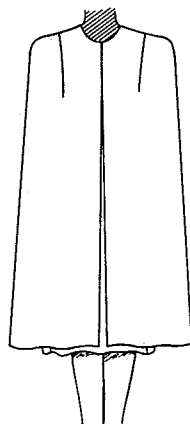
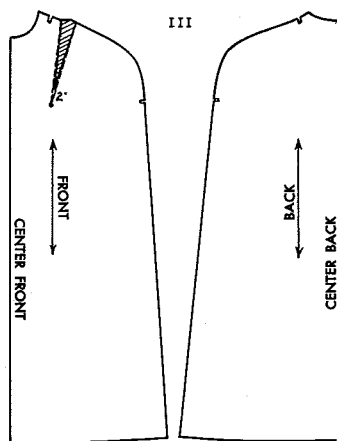
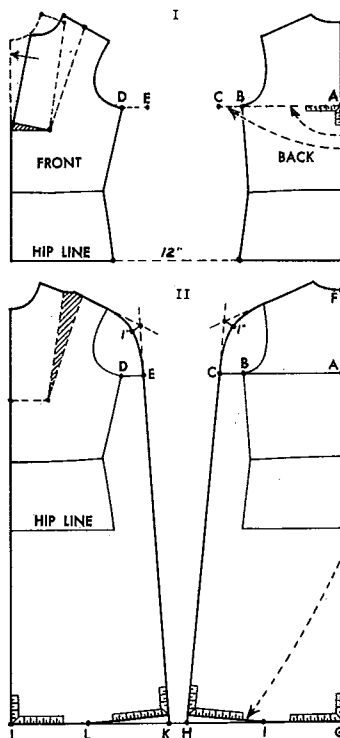
Use the dress foundation as a guide to draft the cape.

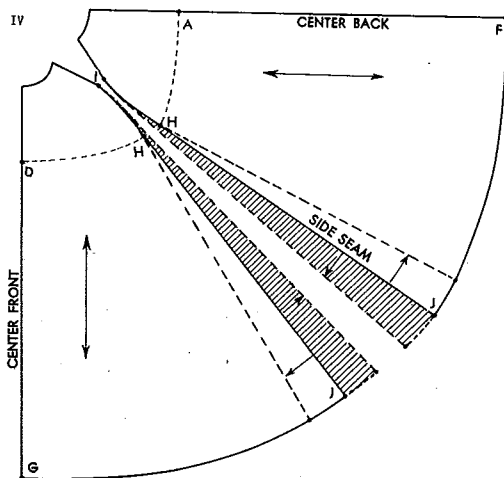
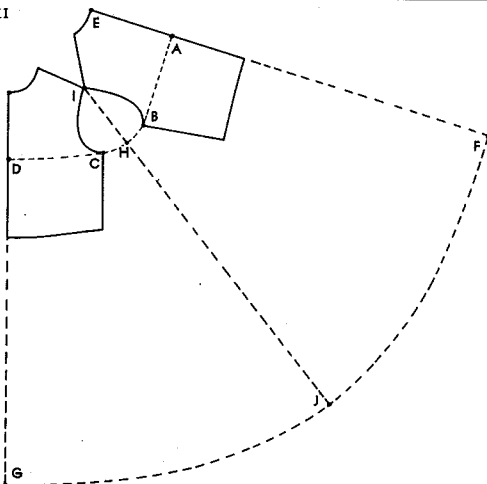
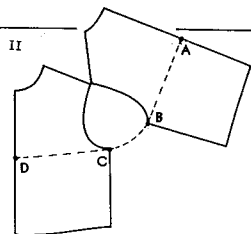
I  
Trace front and back about 12" apart; then make shoulder dart.

A to B - Square a line across from center back to armhole.  
B to C - Equals 1/4 of line A-B, (allowance for ease over the arm).  
D to E - Equals line B to C.

II  
F to G - 42". (Length of Cape). Extend center back line down to G.  
G to H - Equals 16" (1/4 of 60° sweep). Square this line across at G.  
H to C - Connect; then draw a curved line from shoulder to point C.  
H to I - Equals 1/2 of line H-G. Square line to point I from line C-H.  
J to K - Equals H to G; then locate point L and complete draft of front.

III  
Add seams and make corresponding notches. Make shoulder dart 2" shorter.





Draft cape, using the fitted front and back of waist as a guide, as follows:

I

C to D - Draw line from armhole to center front, parallel to waistline.

II

Draw slightly curved line between B and C.

III

D to G - Equals A to F.

H - Center between B and C.

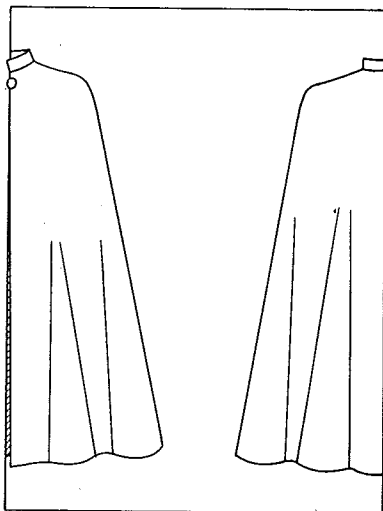
I to J - Draw line through H, making H to J equal A to F.

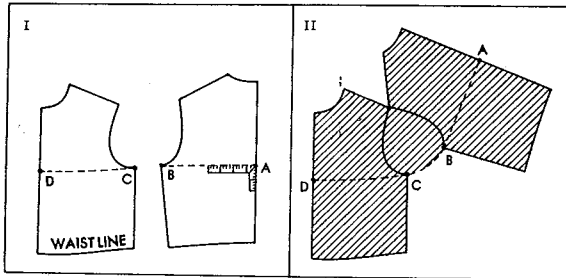
F to G - Draw circular line through J. (This line is parallel to line A to B to H to C to D).

IV

For a cape less circular at lower edge, reduce at J to nothing at H on front and back as shown on the inside dotted lines.,

For additional fullness in cape, add at J to nothing at shoulder point I, as shown by the outside dotted lines.

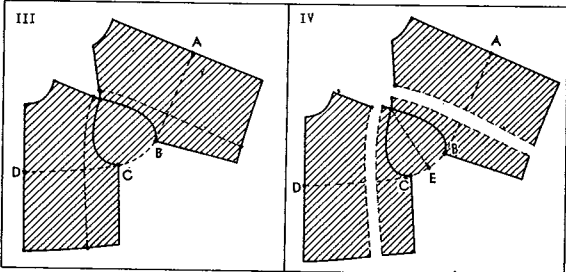




This style gives the cape a slight puff at the shoulders due to the allowance in the pattern for gathers.

### I and II

Using the fitted waist foundation as a guide, begin to draft the cape in same manner as described for the 2-piece plain cape in diagrams I and II, page 80.



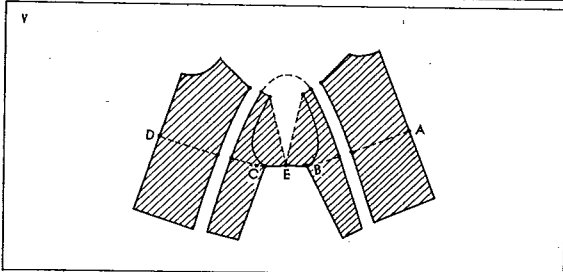
### III

Draw seam lines in front and back from shoulder to waistline, curving line slightly about  $3/4$ " away from armhole, as shown by dotted lines. The space at waistline is  $1/4$ " wider than at bustline in front and back.

### IV

Cut out front and back; then cut through along seam lines.

Locate point E, in center between B and C, and draw line from shoulder to point E; then slash and spread about  $3$ " at top for gathers, as shown in diagram V.

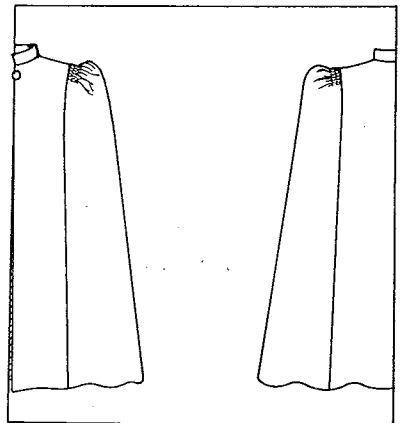
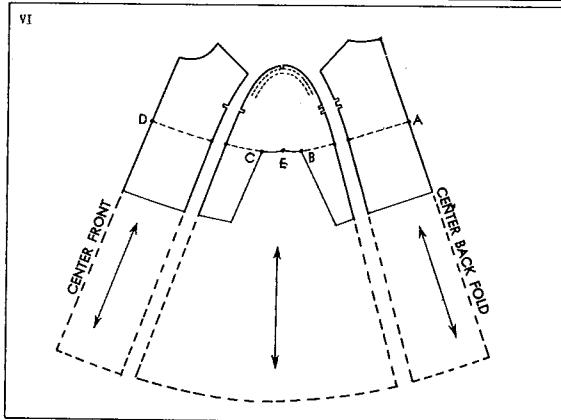


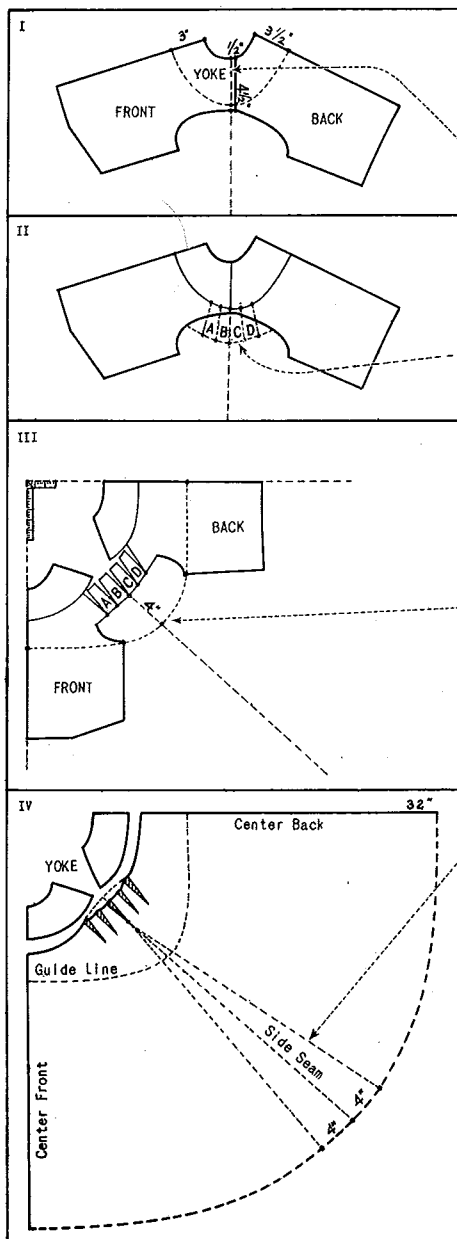
### V

Draw curved line about  $2$ " above side section. This provides additional fullness for the puff.

### VI

Make cape required length (about  $32$ ") as shown by dotted lines.





Illustrations below show cape with 5 shoulder darts. The cape is about 32" long. The pattern is so cut that it provides the extra fullness for the square shouldered effect.

## I

Using the fitted waist foundation, trace front and back, with shoulder to shoulder, and neckline even; then shift shoulder line forward 1/2" for new shoulder line as shown by dotted line.

Draft yoke 3" wide at center front, 3-1/2" at center back, and 4-1/2" at shoulder seam.

## II

Draft the dart lines as follows:

First draw a curved line between armholes 3" below the yoke line; then draw the dart lines 1" apart at the yoke, and 1-1/4" apart at the lower curved line.

## III

Draw a squared line at the upper left corner. Then cut out front and back in one piece (including the extended section for the darts).

Before placing front and back against the squared line, slash along shoulder line and into the yoke; then continue to slash down each dart line.

Place front and back carefully against the squared lines, making equal size spaces for darts; then trace as illustrated.

Draw a circular line from center back to center front along bust line, and 4" below dart section at side, as shown by dotted line. This circular line serves as a guide line for drawing the lower edge cape line.

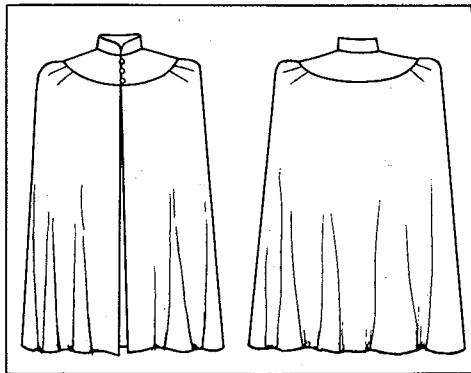
## IV

Diagram shows draft of cape 32" long with lower circular line parallel to the circular guide line.

For additional puff, add to top of darts as shown by dotted line.

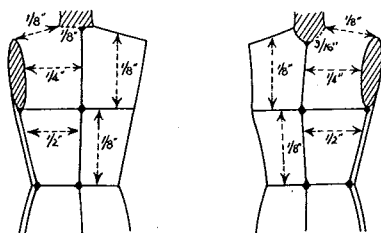
Instead of darts, cape may be made with pleats or shirring at shoulder.

For a cape with less fullness at bottom, reduce about 4" each side of side seam.



# PATTERN GRADING

## GRADING MISSES SIZES (16 to 18)



GRADING is the art of increasing or decreasing a sample size pattern proportionately, according to the standard body measurements.

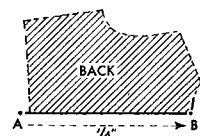
The method of grading a pattern from one size to another is by shifting the pattern piece from point to point, tracing each step as you go along.

The instructions for grading the pattern as shown on this page is merely fundamental, and should serve as a basis for grading style patterns.

NOTE: Many manufacturers grade the width of front and back only  $3/8''$  instead of  $1/2''$ , from center front or back to side seam. In this case, they grade only  $1/16''$  for the shoulder, and  $3/16''$  from armhole to side seam.

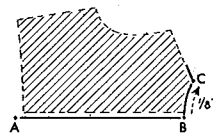
### HOW TO GRADE THE BACK

#### I WAIST LENGTH GRADE



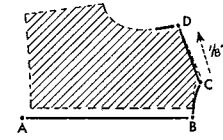
First draw center back line; then shift pattern up  $1/4''$  from A to B and trace the corner at point B.

#### II BACK NECK GRADE



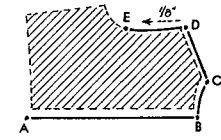
Next shift pattern out  $1/8''$ , keeping center back of pattern, parallel to line A-B; then trace corner at point C.

#### III SHOULDER SEAM GRADE



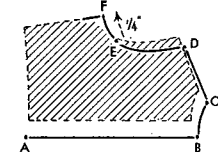
Shift pattern out  $1/8''$  and trace from C to D; then mark corner at point D.

#### IV PART OF ARMHOLE GRADE



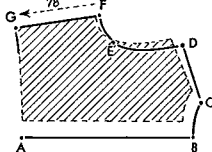
Shift pattern down  $1/8''$ , tracing armhole from D to E and marking point E, about  $2''$  above bust line.

#### V PART OF ARMHOLE GRADE



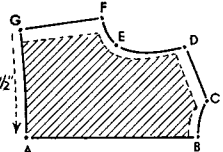
Shift pattern out  $1/4''$ , and trace armhole from E to F; then trace corner at point F.

#### VI SIDE LENGTH GRADE



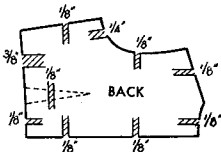
Shift pattern down  $1/8''$  and trace from F to G; then trace corner at point G.

#### VII BACK WAISTLINE GRADE



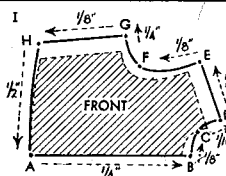
Shift pattern in  $1/2''$  and trace from G to A, to complete the grade.

#### VIII

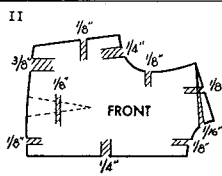


Showing where and how much pattern was graded. Diagram also shows how to grade waistline of pattern that has a waist dart.

### HOW TO GRADE THE FRONT

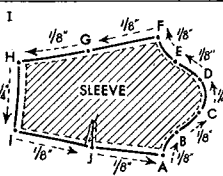


To grade the front, use same method of shifting pattern as shown for grading the back, except the neck, which is graded in two shifts.

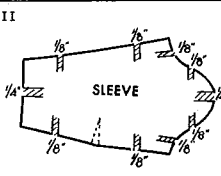


Showing where and how much pattern was graded. Diagram also shows how to grade waistline of pattern that has a waist dart.

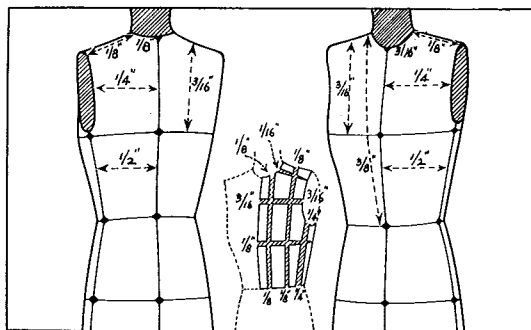
### HOW TO GRADE THE SLEEVE



To grade the sleeve, use same method of shifting pattern as shown for grading the Back and Front, beginning from A to B, then B to C, etc.



Showing where and how much the sleeve pattern was graded from size 16 to 18. The elbow dart remains the same for all sizes.



The grade from 36 to 38 is very much the same as the grade from 16 to 18, the difference being an extra grade in the front over the bust, from shoulder seam to waistline. This grade is required for the ladies' sizes only.

Whether the front has a side dart, shoulder dart or waist dart fitting, the extra grade of  $1/8''$  should be given as shown in these diagrams.

The ladies' sizes represent the mature figures, and therefore the front pattern requires the extra grade ( $1/8''$ ) in the dart for each size.

The underarm length of the waist and sleeve remains the same for all ladies' sizes.

The grade in the armhole and in the sleeve cap is somewhat greater than in the misses' sizes.

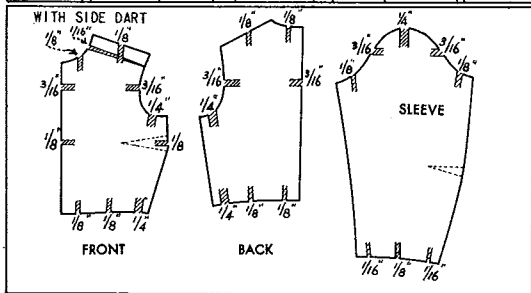
The grade from 38 to 40 and from 40 to 42, etc., is the same as from 36 to 38.

#### GRADE OF PATTERN WITH SIDE DART IN FRONT

Chart shows where and how much pattern is increased from 36 to 38.

The extra grade of  $1/8''$  over the bust increases the size of the side dart. This also provides the necessary grade of  $3/8''$  from shoulder to waistline, there being  $1/8''$  at the shoulder (when the neck is raised  $1/16''$ ),  $3/16''$  at the armhole, and  $1/8''$  at the bustline.

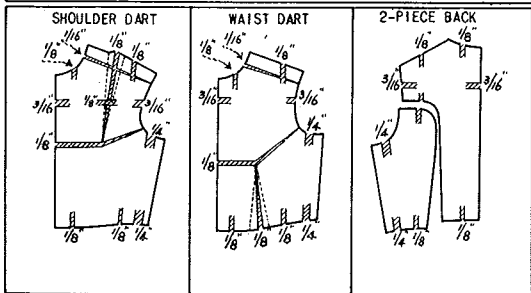
The sleeve grade at the wrist is half of the bicep grade. For instance: The grade at bicep is  $1/2''$ ; at the wrist  $1/4''$ . This principle also applies to the grade of sleeve in the misses' sizes.



#### GRADE OF SHOULDER DART, WAIST DART, etc.

Chart shows method of grading front pattern with shoulder dart or waist dart fitting, making the increase of  $3/8''$  from shoulder to waistline, and increasing the size of the dart  $1/8''$  for each size.

Chart also shows where and how much the two-piece back is increased from 36 to 38.



#### 4-PIECE PATTERN WITH 2-PIECE SLEEVE

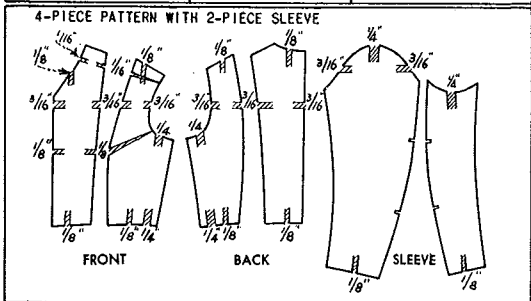
#### GRADE OF 4-PIECE PATTERN WITH 2-PIECE SLEEVE

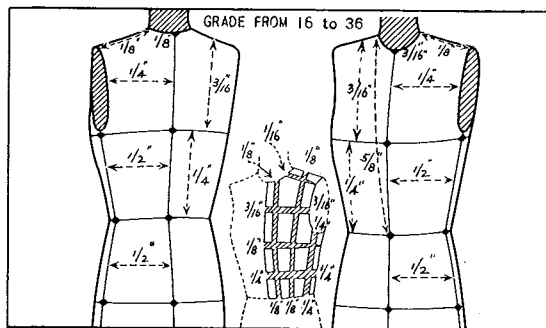
Apply the same method in grading the 2-piece front as in grading the shoulder dart front.

The grade of the 2-piece back is similar to the grade of the back sections in the above chart.

The entire  $1/8''$  shoulder grade is applied to the side section of front and back.

The increase of the 2-piece sleeve is the same as one-piece sleeve shown in the chart.



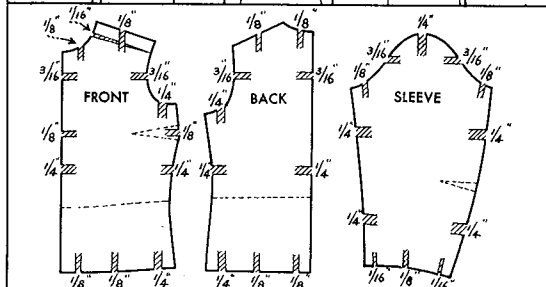


GRADING SIZE 16 (misses') to 36 (ladies' size)

The grade from 16 to 36 is very much the same as the grade from 36 to 38, the difference being an extra 1/4" grade in the waist length. This makes the back about 1/2" longer waisted and the front 5/8" longer from shoulder to waistline.

Whether the front has a side dart, shoulder dart or waist dart fitting, the extra grade of 1/8" should be given across the bust, as shown in the charts of ladies' grade 36 to 38.

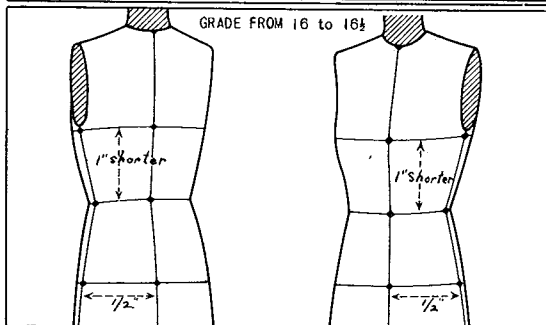
The ladies' size 36 is the mature figure and therefore requires this extra grade over the bust.



GRADE FROM 16 to 36

Chart shows where and how much pattern is increased from 16 to 36. The extra grade of 1/8" increases the size of the side dart. This also provides the necessary grade of 5/8" from shoulder to waistline in the front, there being 1/16" at shoulder (when the neck is raised 1/16"), 3/16" at the armhole, 1/8" at the bustline, and 1/4" between the dart and the waistline.

The sleeve grade is very much the same as from 16 to 18, the difference being 3/16" grade in the cap height instead of 1/8".



GRADING 16 (regular) to 16½ (half size)

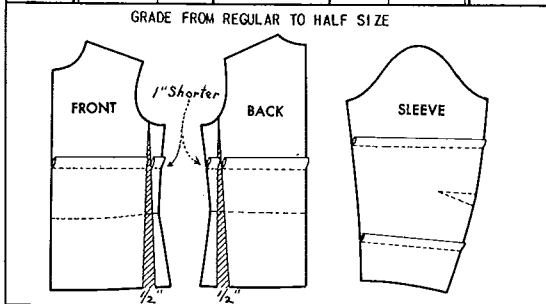
The difference between the regular and the half size figures is mainly in the height, the regular size figure measuring 5 feet 7" or 8" in height, and the half size about 5 feet 3".

Garments designed for the shorter women (trade term is half sizes) are made about 3" shorter than the garments for the standard regular sizes; that is 1" shorter above the waistline and 2" shorter below the hip.

The hip of the half size figure is about 1" to 2" larger, and the waistline about 1" larger, than the regular size figure. The arm is about 1" shorter.

GRADE FROM REGULAR TO HALF SIZE

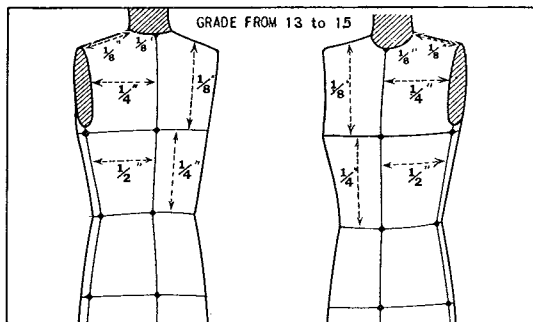
Chart shows where and how much pattern is graded from regular to half size.



This method may be applied to grading patterns from 16 to 16½, 36 to 36½, or 13 to 13½. For instance: If a style is designed in the regular misses', ladies' or junior sizes, and the same style may be suitable for shorter women, a half size pattern is then made by grading from the regular to the half size, making the pattern shorter proportionately, and larger in the hip and waistline, as shown in this chart. Once the half size is established, the pattern may be graded to the other required sizes as follows:

For the misses' half sizes, 14½, 16½, 18½, etc.  
For the ladies' half sizes, 36½, 38½, 40½, 42½, etc.  
For the juniors' half sizes, 13½, 15½, 17½, etc.

The method of grading the pattern from 16½ to 18½, or 36½ to 38½, or 13½ to 15½, is the same as the grade from 16 to 18, 36 to 38 or 13 to 15, respectively.



## GRADING OF JUNIOR SIZES

The junior sizes range from 11 to 17, or 11-13-15-17.

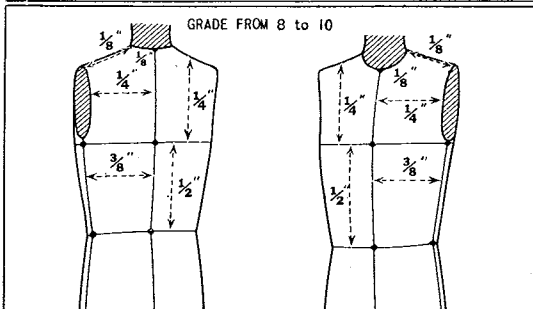
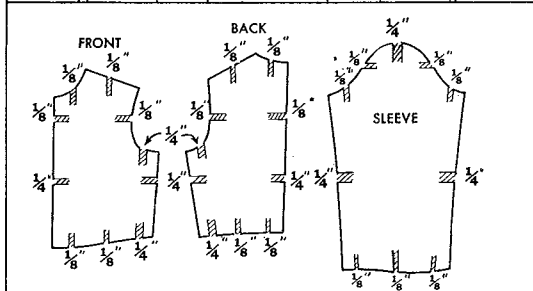
The grade from 13 to 15 is very much the same as the grade from 16 to 18.

These junior sizes should not be confused with the in-between sizes of the misses' regular sizes. For instance: If a style is made in sizes 14-16-18-20, and there is a special request for the same style to be made in the in-between sizes, as 15-17-19 of the misses' regular sizes, the size 15 would be graded half a size smaller than the 16, or the 15 size would be exactly a size in between the 14 and 16.

## SHOWING GRADING POSITION ON PATTERN

This chart shows where and how much pattern is graded from 13 to 15. The sleeve is graded  $1/4$ " in length at the elbow, if it is a straight sleeve. For a shaped sleeve, the grade is divided into two parts,  $1/8$ " above and  $1/8$ " below the elbow, as shown in the misses' grading.

NOTE: Many manufacturers grade the front and back only  $3/8$ " instead of  $1/2$ ", from center front or back to the side seam. In other words, they grade only  $1/8$ " instead of  $1/4$ ", from armhole to the side seam. However, for close fitting garments, as a fitted bodice, slip or tailored garment, the  $1/2$ " grade is preferred.



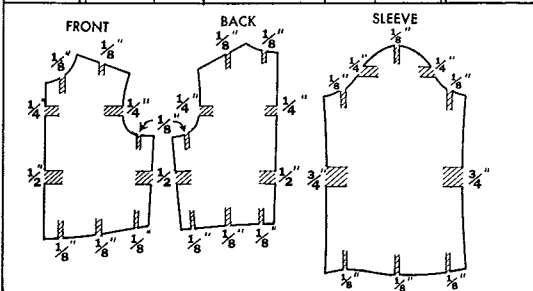
## GRADING GIRLS' SIZES

The girls' sizes range from 6 to 14, or 6-8-10-12-14.

Styles for these sizes are suitable for girls of public school age.

Size 8 or 10 is the sample size.

The average increase in the height of girls in the above sizes is about 2" per year. In other words, the 10 year size girl is 4" taller than the 8 year size, etc.



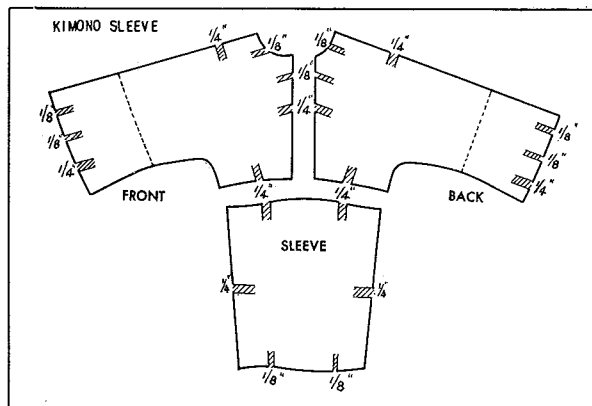
## SHOWING GRADING POSITION ON PATTERN

This chart shows where and how much pattern is graded from size 8 to 10. Use the same amount when grading from 10 to 12, 12 to 14, or 8 to 6.

When grading from 8 to 6, reduce instead of increase, as you shift the pattern.

The grade of the skirt length is about 3" per size.





## GRADING THE KIMONO SLEEVE

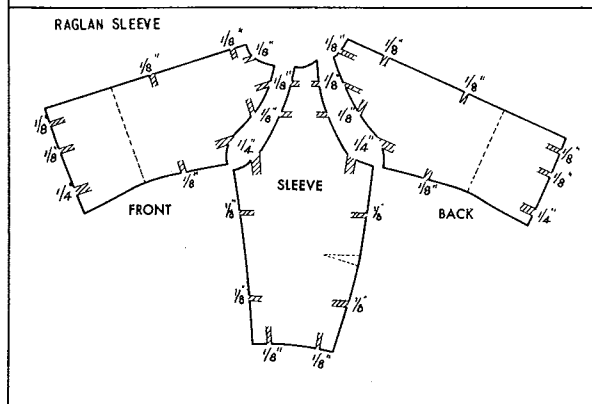
Chart shows how pattern is graded from size 16 to 18.

When grading the front and back  $\frac{1}{4}$ " longer in the waist, the increase must be made near the top, as illustrated. This gives the sleeve  $\frac{1}{2}$ " grade across the top.

For the ladies' sizes with shoulder or side darts, use the same method of grading the darts as shown on the grade from 36 to 38.

When grading a pattern for a loose fitting garment, grade front and back  $\frac{3}{8}$ " each in the width, making only  $\frac{1}{8}$ " grade at the underarm instead of  $\frac{1}{4}$ ".

For junior sizes, use the same method as described below for the Dolman sleeve.



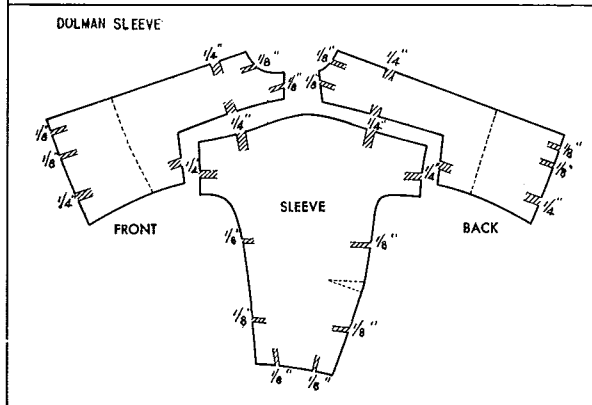
## GRADING THE RAGLAN SLEEVE

Chart shows the grade from 16 to 18 for the front, back and sleeve.

When grading the raglan sleeve and the raglan armhole of the front and back, it is important to grade the corresponding amounts at the corresponding positions.

The amount used for grading must tally with the grade of a pattern with a regular armhole and set-in sleeve. For instance; the total grade from neck to wrist of 16 to 18 is  $\frac{3}{4}$ ", or  $\frac{1}{8}$ " at shoulder,  $\frac{1}{8}$ " at the cap of the sleeve, and  $\frac{1}{8}$ " above and  $\frac{1}{8}$ " below the elbow.

The width of the sleeve at the neck remains the same for all sizes. The usual grade in the neck is given in the front and back only.



## GRADING THE DOLMAN SLEEVE

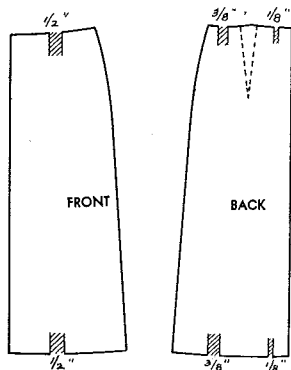
Chart shows where and how much pattern is graded from size 16 to 18.

The grade of the waist length is similar to the grade of the kimono sleeve pattern. The entire  $\frac{1}{4}$ " grade is made near the top of the front and back and a corresponding grade at the top of the sleeve.

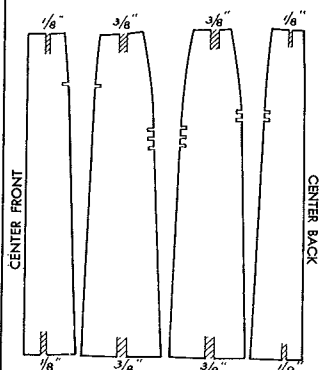
For the junior sizes, from 13 to 15, or 15 to 17, etc., the grade is the same as shown in the chart, the only difference being an extra grade of  $\frac{1}{4}$ " between the armhole and the waistline in front and back sections. This would account for the  $\frac{1}{2}$ " grade in the waist length, between the neck and the waistline.

For ladies' sizes, see directions above for the kimono sleeve.

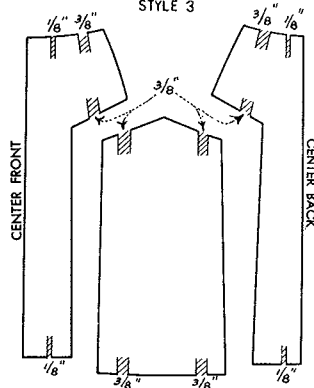
STYLE 1



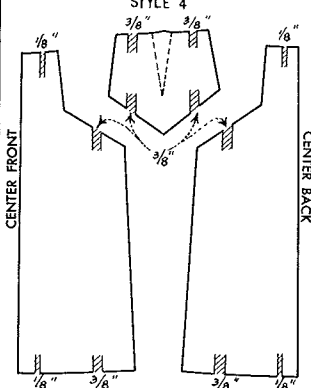
STYLE 2



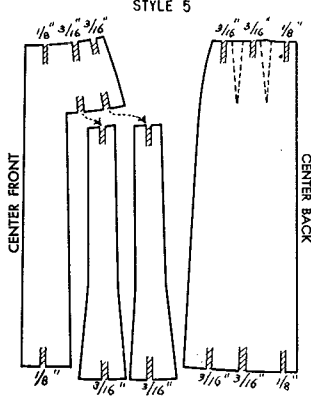
STYLE 3



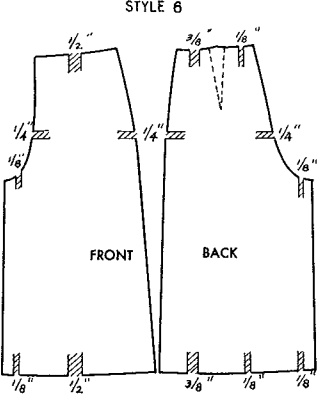
STYLE 4



STYLE 5



STYLE 6



## STYLE 1 (2-PIECE SKIRT)

The increase from 16 to 18 is 2" around waist and hip, or 1" from center front to center back.

Chart shows where and how much pattern is increased from 16 to 18. The front takes the 1/2" grade in one shift, while the back grade is divided into two shifts, as illustrated.

## STYLE 2

Chart shows skirt pattern in four sections and it also shows how much to grade each section from one size to another.

It is an established rule that the front and back of a 4-piece skirt pattern is to be graded only 1/8" each, and 3/8" for each side section.

## STYLE 3

Chart shows where and how much pattern is graded from 16 to 18, using the same principle as the grade for Style 2.

When grading the yoke parts of the front and back, they must be graded to correspond with the top part of the adjoining side section.

## STYLE 4

Chart shows 2-piece skirt with side yoke, graded from 16 to 18.

Use the same method of dividing the grade as shown in the grade of Style 3.

It is advisable to keep the lower edges of the yoke of the graded sizes at the same angle as the sample size. The same applies to the slanting edges of the front and back.

## STYLE 5

Chart shows grade of skirt front which is in 3 parts, and skirt back with 2 darts.

Chart also shows where and how much pattern is increased, which totals 1" from center front to center back.

The 1/8" grade near the center front and back, and the balance at the side is in keeping with the grade of the 4-piece skirt.

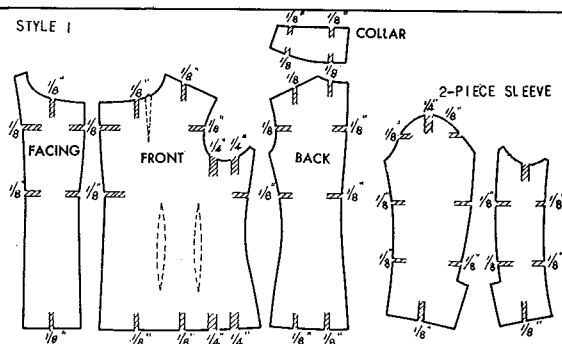
## STYLE 6

Chart shows grade of trousers or divided skirt from size 16 to 18.

The grade of the crotch depth from waistline to the leg seam is 3/8". This grade is made in two shifts as indicated with arrows in front and back.

The waist and hip grade is the same as for the skirt.

STYLE 1



STYLE 1

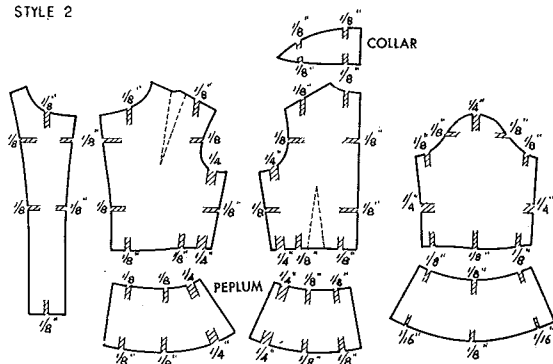
Chart shows where and how much jacket pattern is graded from size 16 to 18.

The entire increase of the underarm grade is given at the side of the front, because the underarm seam had been shifted toward the back about 2".

The grade of the 2-piece sleeve is divided equally between the upper and under sleeve, with the usual cap grade in the upper sleeve.

The collar takes the neck grade of the front and back.

STYLE 2



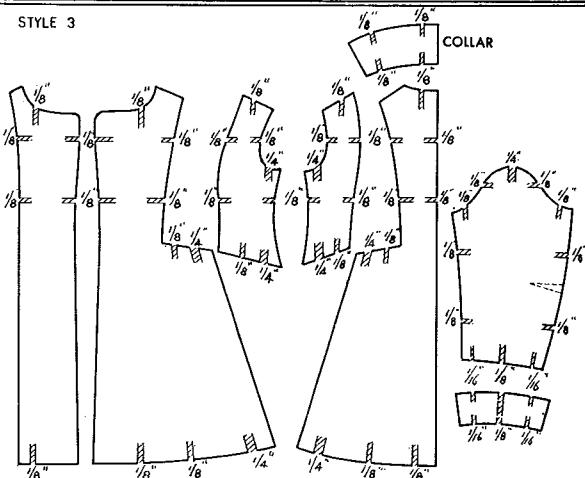
STYLE 2

Chart shows peplum jacket graded from 16 to 18.

Peplum does not grade in length, but when grading in width, pattern must be shifted in the direction of the shape of the pieces as indicated with arrows. The same applies to the lower sleeve section.

The upper sleeve takes the entire sleeve length grade.

STYLE 3



STYLE 3

Chart shows coat pattern graded from 16 to 18.

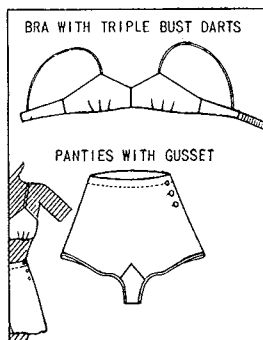
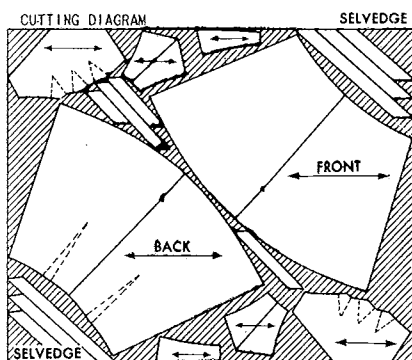
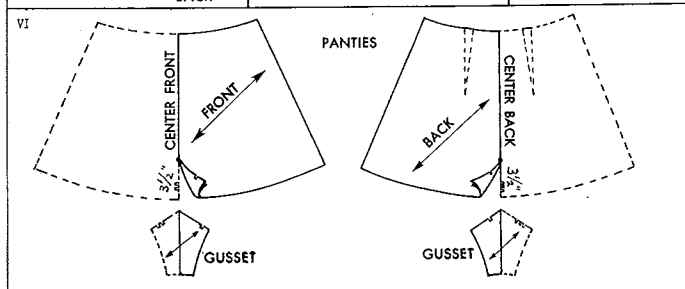
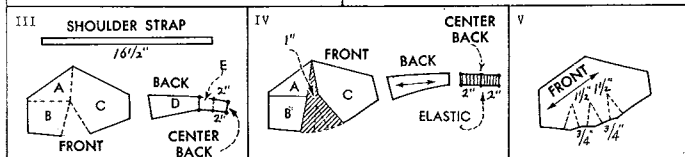
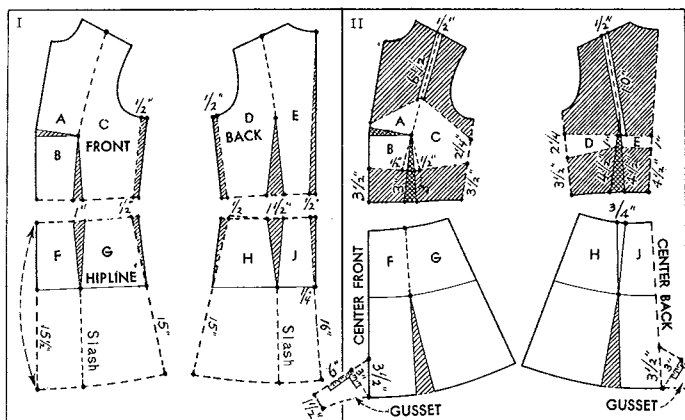
When grading the circular part of the front and back, pattern must be shifted in the direction as indicated on the chart with arrows.

The horizontal and vertical grade must correspond with the upper side sections.

The cuff grade must correspond with the grade of the lower part of the sleeve.

NOTE: Many manufacturers grade the front and back only  $\frac{3}{8}$ " instead of  $\frac{1}{2}$ ", from center front or back to the side seam. However, for closer fitting garments, the  $\frac{1}{2}$ " grade is preferred.

(Bra and Panties Foundation)



The "bra", which is an abbreviated brassiere, has the uplift outline or the cup shape fitting, suitable for the misses and junior size figures.

This 'bra' style has triple bust darts.

The panties are cut on the bias and have gusset sections at lower part of front and back.

## I

Use the hip length dress foundation (size 16) as a guide. Trace front and back to waistline only; then trace the hip sections about 2" below waistline. Mark sections A to J, as illustrated.

Reduce 1/2" at side to nothing at hip.

Reduce 1/2" at center back waistline to nothing at neck, and to 1/4" at hip.

Draw straight line from center of shoulder to top of dart in front and back.

For panties, continue lines down and shape lower edge, as shown by dotted lines.

## II

Draft the "bra" as indicated by dotted lines; then make shoulder straps 1/2" wide.

For panties, reduce front 1" at waistline to nothing at hip, by closing up front dart, thus spreading below hip. Reduce half of dart at back waistline (leaving a 3/4" dart) to nothing at hip, spreading lower edge, as illustrated.

Draft gusset sections at center front and back, as shown by dotted lines.

## III

Cut out front and back of the "bra" sections; then bring A and B together and D and E together, as illustrated.

For shoulder strap, join front and back sections in one.

For elastic in back, cut off 2" from center back of section E for a 4" strip of elastic, as shown in diagram IV.

## IV

For a cup shaped fitting, slash  
front between A and C, and spread  
1" at breast point.

For the bust darts, make the first dart 3" long and  $\frac{1}{3}$  the width of the spread at lower edge. Make remaining darts as shown in diagram v.

## y

Allow seams and draw grain lines  
on "bra" sections.

## YI

Make the entire panties pattern; then mark slash lines 3-1/2" long at center front and back for the gusset sections.

Allow seams and make corresponding notches.

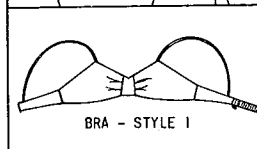
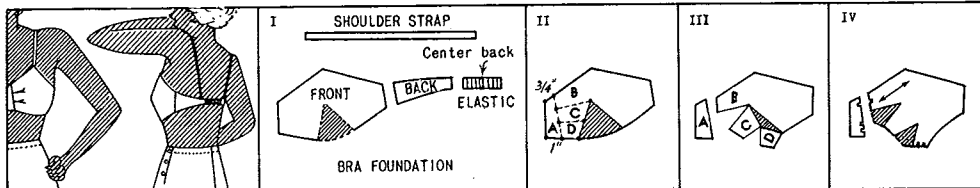


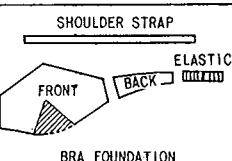
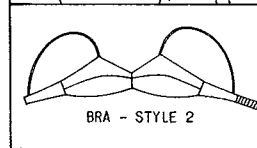
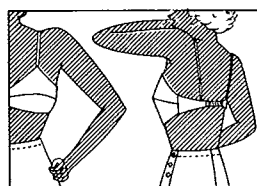
Illustration shows "bra" with front panel and double bust pleats.

I  
Use the "bra" foundation (page 90, diagram IV) as a guide to draft this style.

II  
Mark positions for panel seam and pleats as shown by dotted lines. Mark sections A, B, C and D.

III  
Separate the panel section; then slash along pleat lines and close up dart, spreading for the 2 pleats.

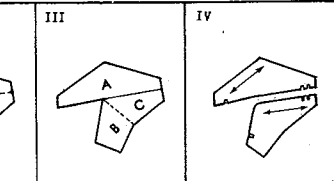
IV  
Draw V-shaped lines, if darts are desired instead of pleats.  
Allow for seams, mark grain line, and make corresponding notches.



This style "bra" has horizontal seam across front sections.  
Pattern is so cut that it gives the "bra" the cup shape fitting.

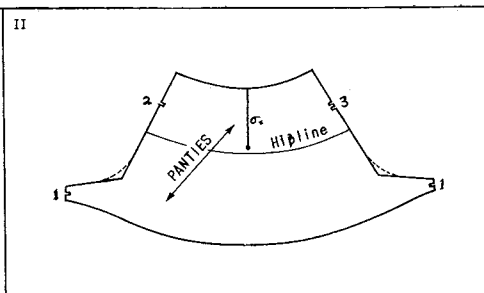
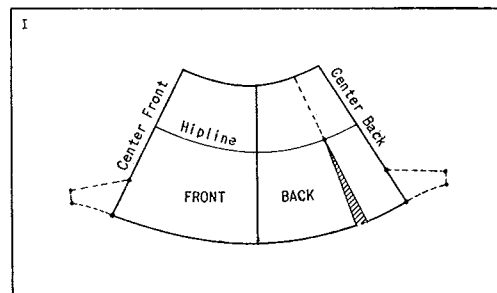
I  
Use the "bra" foundation as described above for Style I.

II  
Divide center front into 3 equal parts,



and side seam in 2 equal parts; then draw horizontal seam line, as shown by dotted line. Mark sections A, B and C.

III  
Close up dart between B and C.  
IV  
Allow seams in upper and lower front sections; then mark grain lines and make corresponding notches.



The panties and gussets are in one. There are no side seams.

I  
Use the panties foundation (shown on page 90, diagram II) as a guide.  
Trace front and back (including the gussets) with side seams together. Eliminate the waist dart in back and

spread below hip, as illustrated.

II  
Round off corners along center front and back at gussets, as shown by dotted lines.  
For left side opening draw a 6" line at side.  
Mark grain line, allow for seams and make corresponding notches.



# UNDERGARMENT DRAFTING (Combination Style)

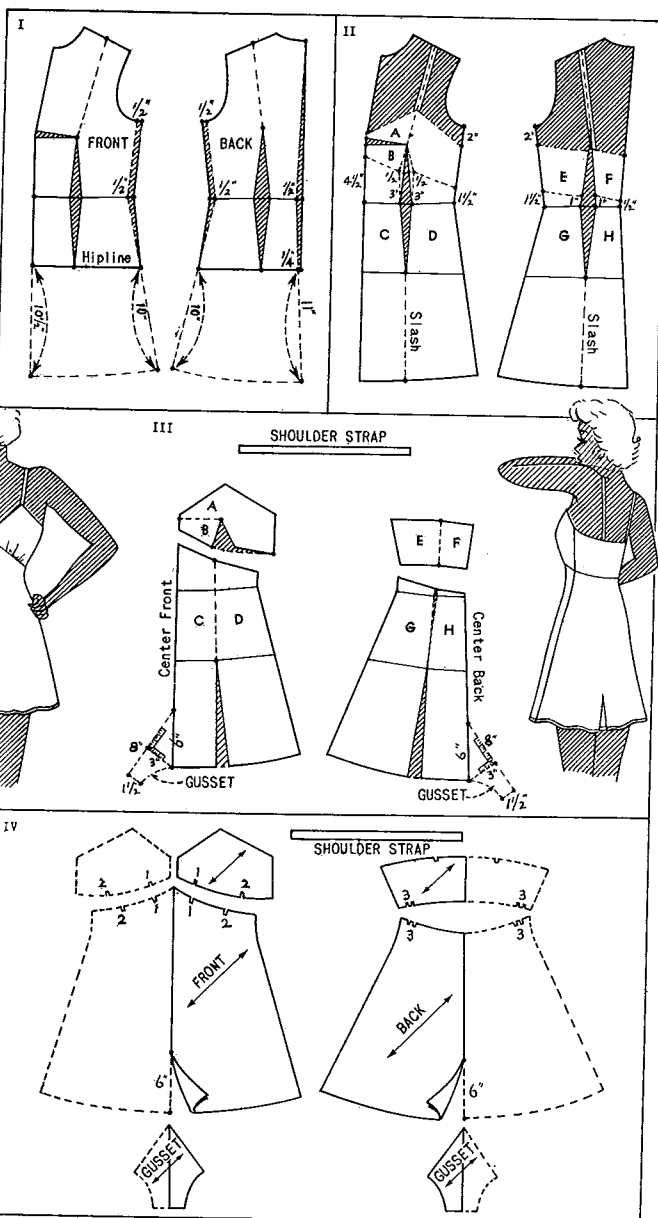


Illustration shows brassiere with bust gathers, and panties with gusset. This garment is usually worn in place of a slip under a dress of heavier material and is about 2" longer than the regulation panties length.

I  
Use the hip length dress foundation (size 16) as a guide.

Reduce 1/2" at side to nothing at hip.

Reduce 1/2" at center back waistline to nothing at neck, and to 1/4" at hip.

Draw straight line from center of shoulder to top of dart in front and back.

For panties, continue lines down and shape lower edge, as shown by dotted lines.

II  
Draft the brassiere as indicated by dotted lines; then make shoulder straps 1/2" wide. Mark sections A to H.

(For cup shape fitting, slash between A and C and spread 1" at breast point, as shown on page 90 diagram IV.)

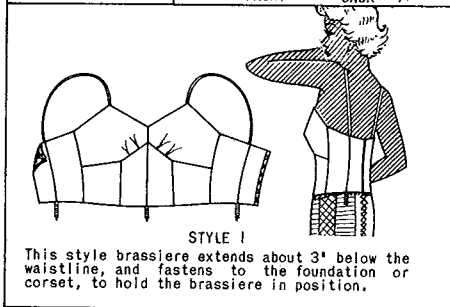
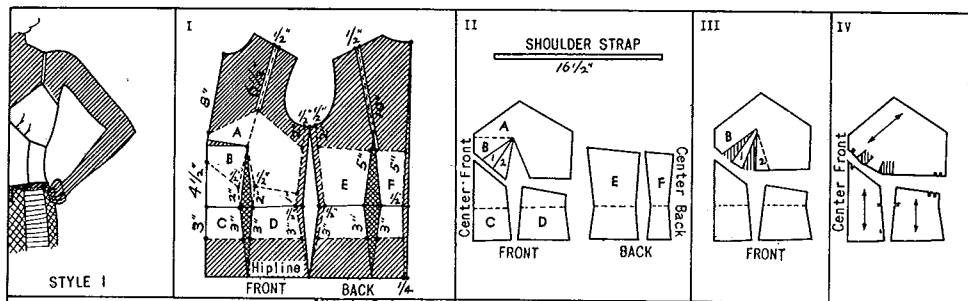
III  
Separate the brassiere sections in front and back; then close up the front dart between A and B, and continue lower seam line to side, as shown by dotted line. Bring sections E and F together to complete back.

For panties, bring sections C and D together, and G and H together, above the hip line, spreading sections below hip as illustrated.

Draft gusset sections at center front and back, as shown by dotted lines.

IV  
Make the entire brassiere and panties pattern; then mark slash lines at lower edge of center front and back for gusset sections.

Allow seams, mark grain lines and make corresponding notches.



**I**

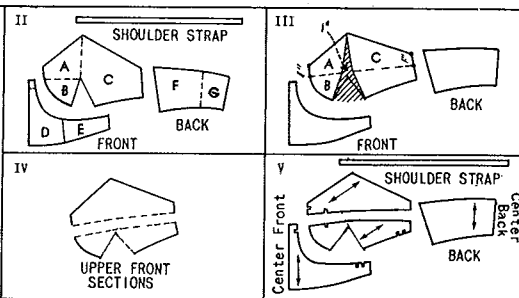
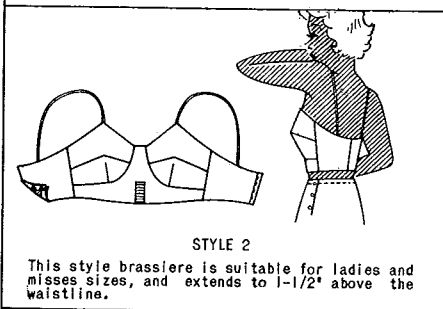
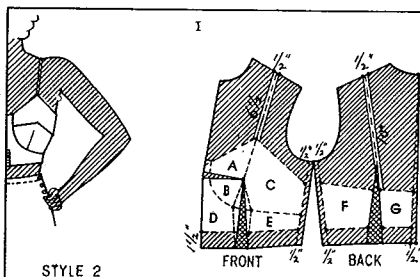
Use the hip length dress foundation (size 16) as a guide; then reduce  $1/2"$  at side to nothing at hip, and  $1/2"$  at center back waistline to nothing at neck and to  $1/4"$  at hip. Draw straight lines from center of shoulder to top of dart in front and back; then draft brassiere, as shown by dotted lines and mark sections A to F.

**II**

Separate the 3 front sections, and 2 back sections as illustrated closing up front dart between A and B; then mark the position for the 2 pleats in section B.

**III and IV**

Slash along the 2 pleat lines; then close up waist dart, spreading evenly for the 2 pleats. Allow seams, mark grain lines and make corresponding notches.



**I**

Use the dress foundation (size 16) to waistline only; then reduce  $1/2"$  at side seam, and  $1/2"$  at center back waistline to nothing at neck. Draw straight line from center of shoulder to top of dart in front and back, and make shoulder strap  $1/2"$  wide. Draft brassiere as shown by dotted lines and mark sections A to G.

**II**

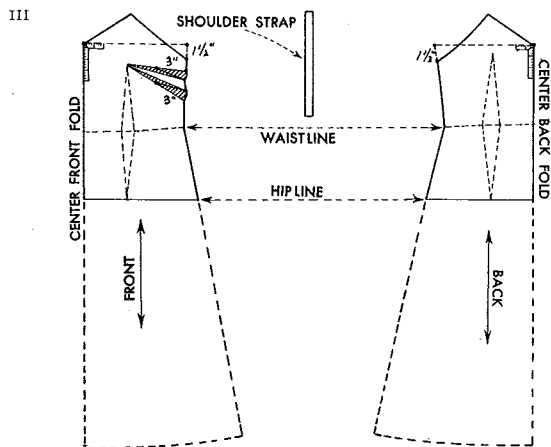
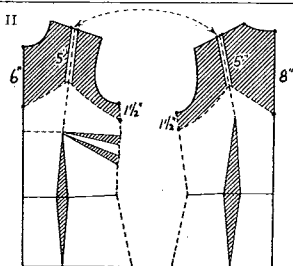
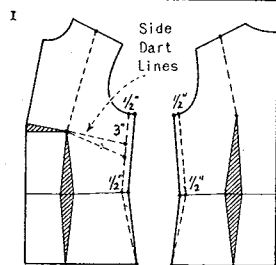
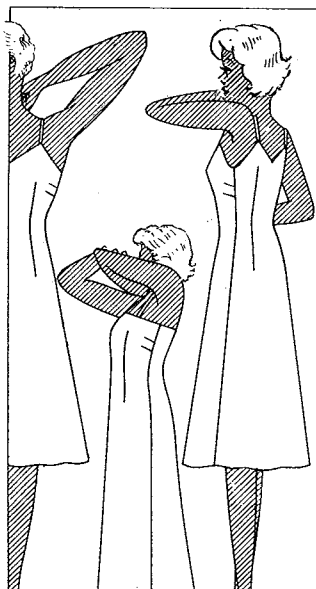
Close up front dart between A and B, and bring section D and E together, and F and G together, as illustrated.

**III and IV**

For cup shape fitting, slash between A and C and spread  $1"$  at breast point; then draw V-shaped lines for dart. Draw the horizontal seam line as shown by dotted line; then separate as shown in diagram IV.

**V**

Mark grain lines, add seams and make corresponding notches.



Illustrations show slip with pointed or straight upper edge outline.

Front has 2 side darts for fitting, over the bust.

The lengthwise darts in front and back give the garment a closer fitting waistline.

I  
Trace front and back dress foundation; then reduce  $1/2''$  at side to nothing at hip.

Draw straight line from center of shoulder to top of dart in front and back.

Draw side dart lines, as illustrated.

II  
Draw lower neck and armhole lines, as shown by dotted lines, making shoulder strap  $5''$  long in front and  $5''$  long in back.

Slash along side dart lines; then close up front dart to straighten center front line.

III  
Draw V-shaped lines,  $3''$  long, for each side dart.

Continue straight lines down to required length and shape bottom, as shown by dotted lines.

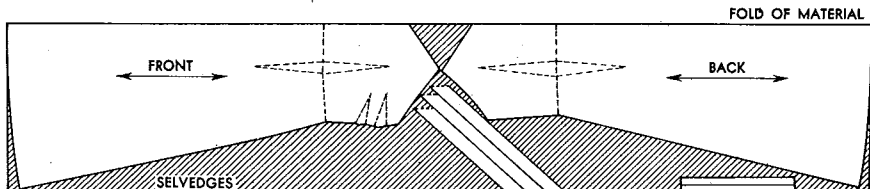
For straight upper edge outline, square line across from center front and back, making underarm seam a little higher as illustrated.

Allow seams on all edges but center front and back.

IV  
Diagram below shows cutting layout, for straight slip.

The bias strips are for underfacing the neck and armhole edges.

IV





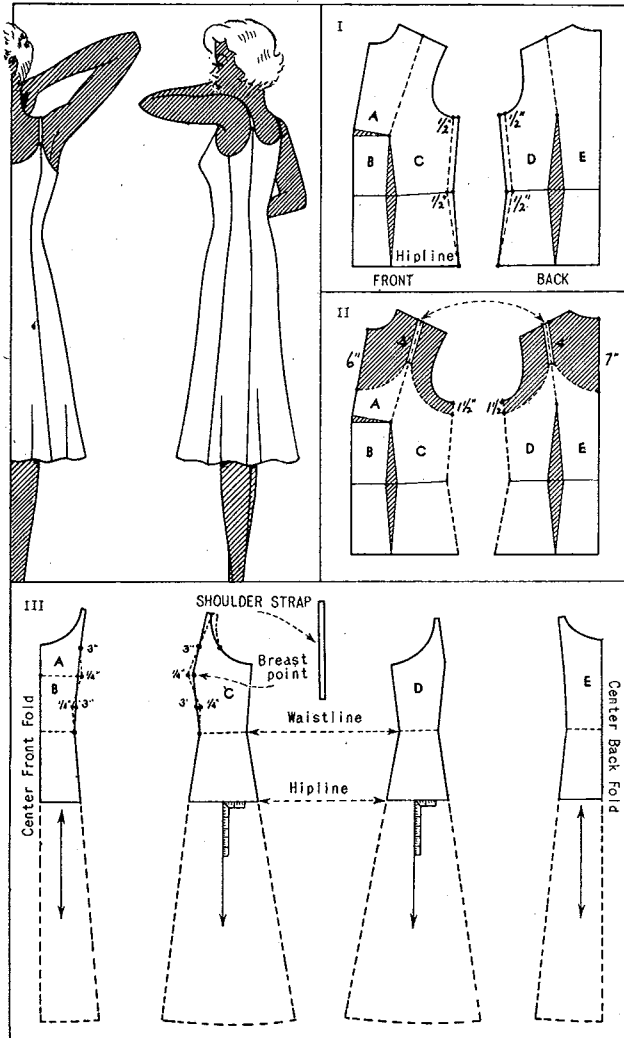


Illustration shows princess slip, with neckline about 6" lower at center front and 7" lower at center back; armhole is 1-1/2" deeper than dress armhole.

I  
Using the dress (hip length) foundation as a guide, trace front and back; then trace the darts.

Draw straight line from center of shoulder to top of dart in front and back. Mark sections A, B, C, D and E. Reduce width of front and back 1/2" at bust and waist to nothing at hip as shown by dotted lines.

II  
Make neckline 6" lower in front and 7" lower in back. Draw armhole 1-1/2" deeper. Make shoulder strap 4" long in front and 4" long in back.

Cut out front and back sections, and separate them as shown in diagram III. Make center front line straight by bringing sections A and B together. Combine front and back part of shoulder strap in one.

III  
Trace the 4 sections, leaving enough space for the lower part of the slip. Continue straight lines down to required length; then shape bottom, as shown by dotted lines. Draw arrows for grain lines by squaring from hipline.

For a cup shape fitting over the bust, add 1/4" to front sections at breast point; then subtract 1/4", 3" below breast point, as shown by dotted lines.

Shape upper part of side front, about 1/2" towards armhole, as illustrated.

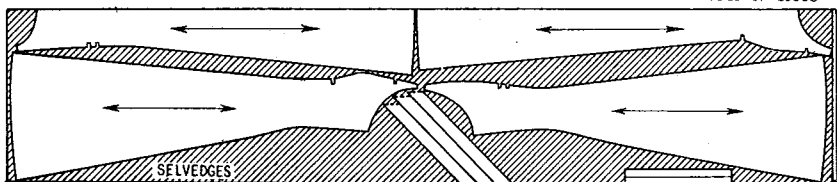
Complete pattern by adding seams and making corresponding notches.

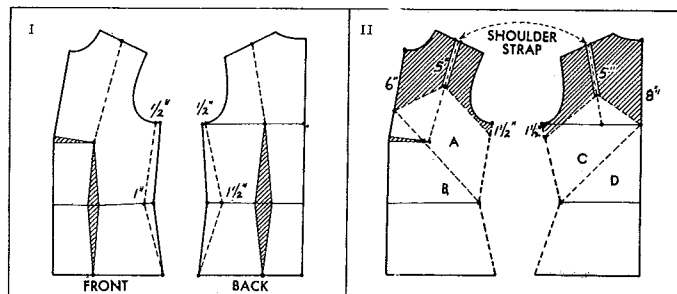
IV  
Diagram below shows how to lay pattern on the goods.

The bias strips are for underfacing neck and armhole edges.

Lower edge of slip may be finished with narrow hem.

FOLD OF GOODS





A bias slip has several advantages, some of which are:

It does not require a placket at the left side, which eliminates a sewing operation.

It molds better to the form around bust, waist and hip, due to the material being on the bias.

## I

Trace front and back dress foundation (hip length); then reduce at side and draw lines to shoulder in front and back, as illustrated.

## II'

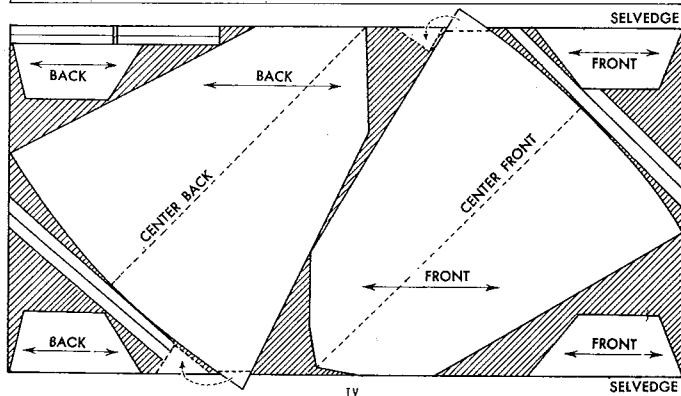
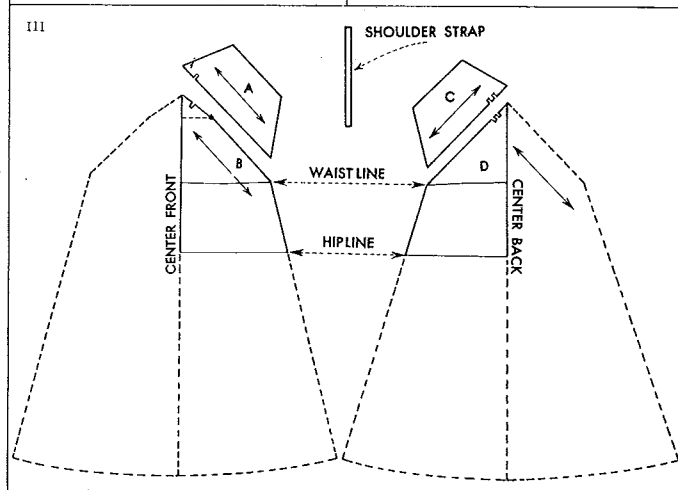
Draw lower neckline and armhole, as shown by dotted lines; then divide front and back in 4 sections and mark them A, B, C and D.

Separate each section and close up front dart as shown in diagram III. Make shoulder strap in one part.

## III

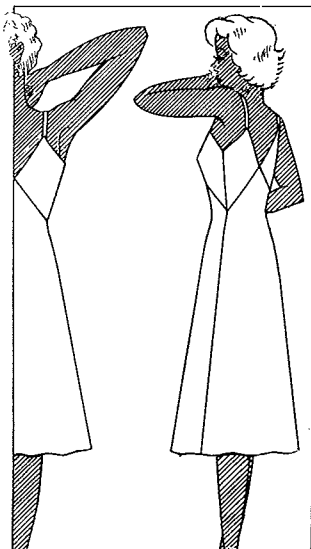
Trace the 4 sections on another sheet of paper, allowing enough room for an entire front and back, as shown by dotted lines.

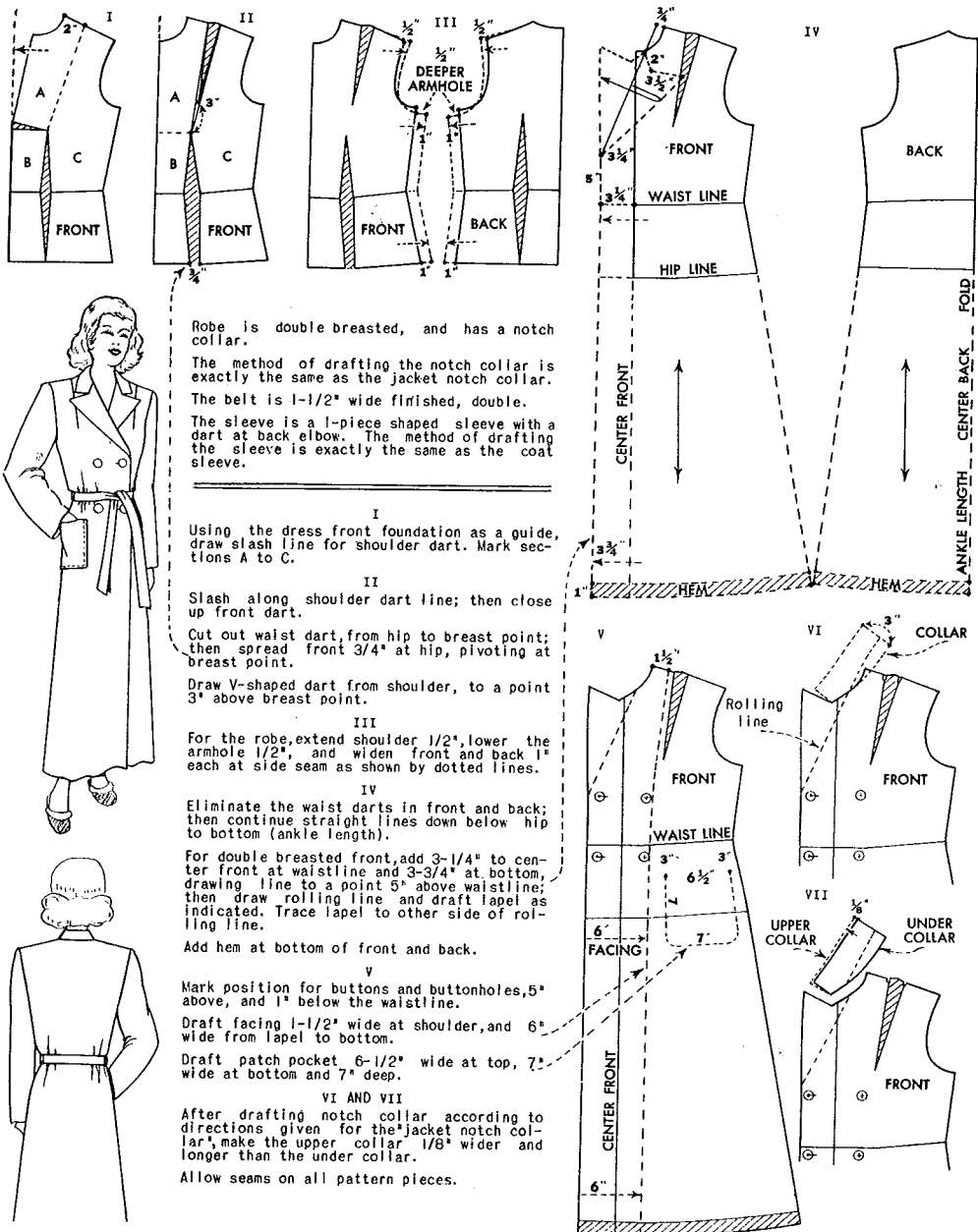
Mark grain lines and make corresponding notches.

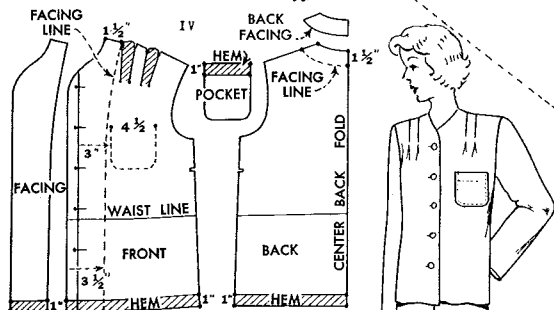
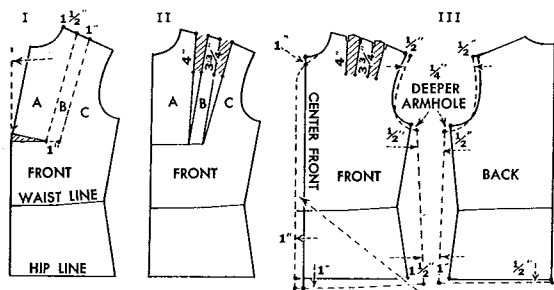


The cutting diagram above shows how to lay bias slip pattern on the goods. If piecings are required, they must be laid on the same lengthwise grain. The bias strips are for lower edge binding.

The upper front and back sections may be lined.







Jacket is loose fitting, and features double shoulder tucks in front.

It may be worn tucked in, or over the trousers.

Armhole is slightly deeper, and sleeve is flat at top of cap, the same as the mannish shirt sleeve.

I

Using the dress foundation as a guide, draw slash lines for the tucks as indicated. Mark sections A, B and C.

II

Slash along tuck lines and spread by closing up front dart, and forming straight center front line. Make one tuck  $4\frac{1}{2}$ " long and the other,  $3\frac{3}{4}$ ".

III

Make shoulder  $\frac{1}{2}$ " longer, armhole  $\frac{1}{4}$ " deeper, and make side wider as indicated.

Lengthen jacket  $\frac{1}{2}$ " below hipline at center back and side, to  $1\frac{1}{2}$ " at center front.

For front closing overlap, add  $1\frac{1}{2}$ " to center front; then lower the neck  $1\frac{1}{2}$ " at center front, curving the outline as indicated.

IV

Mark positions for buttons and buttonholes,  $4\frac{1}{2}$ " apart. Draft pocket  $4\frac{1}{2}$ " X  $4\frac{1}{2}$ ".

For facings in front and back, draft as shown by dotted lines.

Add seams and hems; then make corresponding notches.

#### DRAFT OF SLEEVE

I

Trace outline of jacket front, and mark point A and B at side seam as indicated.

Locate point C on side seam line by having A to C equal  $\frac{1}{3}$  of line A - B; then locate point D at deepest part of armhole (about  $2\frac{1}{2}$ " from side seam); then connect C to D.

Trace lower part of armhole and upper part of side seam to opposite side of line C-D as shown by dotted lines; then mark point E as indicated.

II

Draft sleeve as follows:

F to G - Equals overarm length. Draw this line by continuing shoulder line straight to wrist.

G to H - Equals  $\frac{1}{2}$  of wrist measure plus  $2\frac{1}{2}$ ".

H to E - Connect for underarm seam line.

III

Trace other half of sleeve to opposite side of line F-G as shown by dotted lines.

IV

Make front part of sleeve cap  $\frac{3}{8}$ " lower as indicated.

To insure a slight ease in the sleeve cap, add  $\frac{1}{8}$ " at each side of sleeve as shown by dotted lines.

Add seams and hem; then make corresponding notches.

#### CORRESPONDING ARM MEASUREMENTS

MISSSES SIZES	12	14	16	18	20
OVERARM LENGTH	22-1/4	22-5/8	23	23-3/8	23-3/4
WRIST MEASURE	6-1/4	6-1/2	6-3/4	7	7-1/4

Illustrations show ankle length or short trousers, featuring tucks at waistline in front and back.

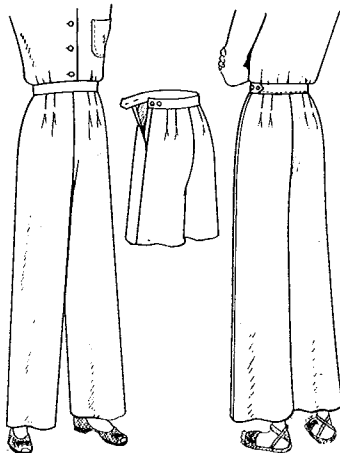
The crotch depth in pajama trousers, is usually 1" deeper than in slacks or sports wear shorts, therefore the distance from A to C in diagram I, equals crotch depth measurement, plus 2" for ease.

Using the hip part of the dress foundation, trace front and back sections, having the hipline, straight across as illustrated.

For ankle length trousers, draft according to the juniors', misses' and ladies' sizes as follows:

SIZE	11	13	15	17
A to B	38	38-1/2	39	39-1/2
A to C	13-1/4	13-1/2	13-3/4	14

12	14	16	18	20	40	42	44	
39	39-1/2	40	40-1/4	40-1/2	40-1/2	40-1/2	40-1/2	Equals ankle length.
13-1/2	13-3/4	14	14-1/4	14-1/2	14-3/4	15	15-1/4	Equals crotch depth (2" ease included).



D to E - Equals hipline on dress foundation.

E to F - Equals 1/2 of C to E.

D to G - Equals 1/2 of E to F.

E to H - Equals 1/2 of E to F.

H to K - Equals D to J, plus 2". Draw this line from H to K, touching center back waistline of dress foundation.

K to A - Draw slightly curved line from K to side seam.

## II

J to L - 1/2" at waistline.

D to M - 1-1/2". Draw diagonal line.

L to G - Draw center front line from L to G through M, curving the line below hip.

H to N - 1-1/2". Draw diagonal line.

K to F - Draw center back line through N.

G to O - Equals 1/2 of G to D.

O to P - Equals length from C to B.

F to Q - Equals 1/2 of F to H.

Q to R - Equals length of C to B.

P to R - Connect.

O to S - 6".

P to T - 1/2".

G to T - Draw leg seam line from G to T through S, curving line slightly above S.

C to U - 6".

R to V - 1/2".

F to V - Draw leg seam line through U.

B to W - 1".

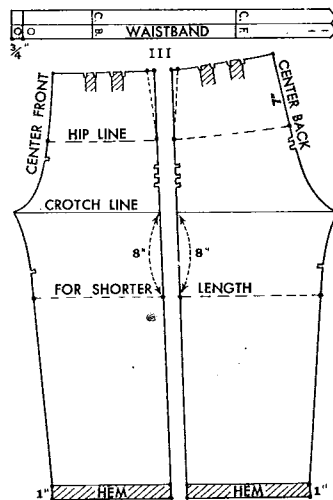
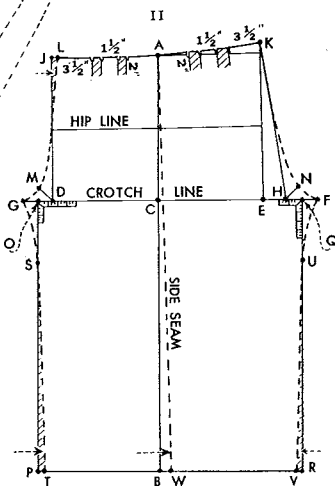
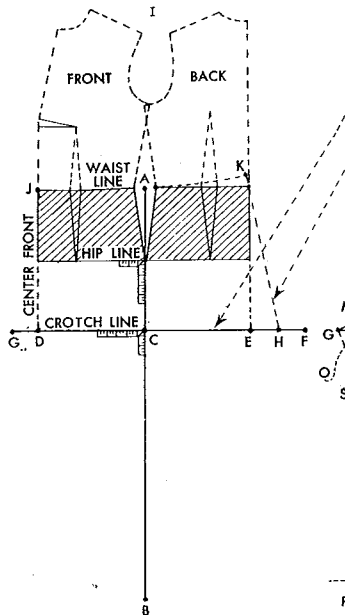
A to W - Connect for side seam line.

For close fitting waistline, make double tucks in front and back as indicated, making each tuck in front 1" wide, and each tuck in back 1-1/2" wide. If necessary make further reduction a side seam as shown in diagram III.

## III

Make hem at bottom of trousers pattern; then add seams and make corresponding notches.

For waistband, make a double band 1-1/4" wide finished, and the length of waist measure, plus 3/4" extension in back for left side opening, and extra allowance at front end for double buttonholes.



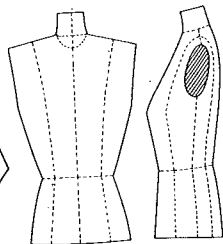
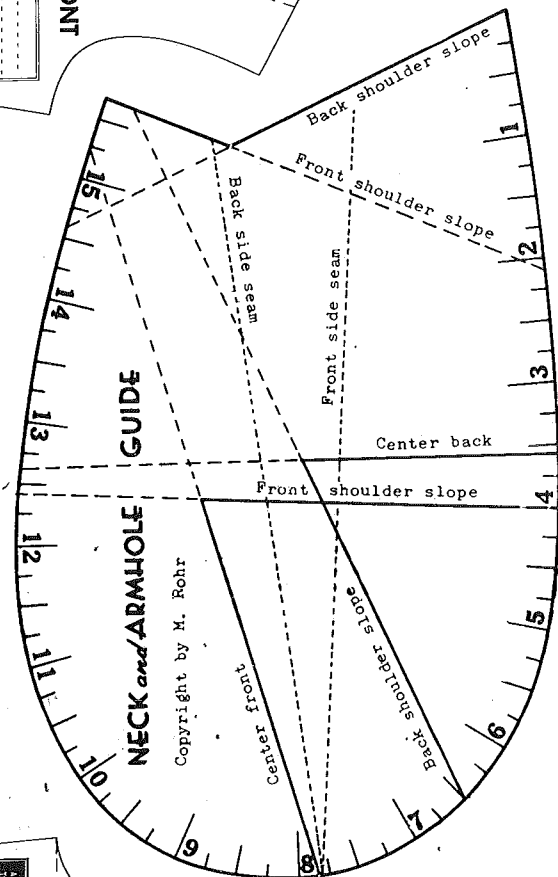
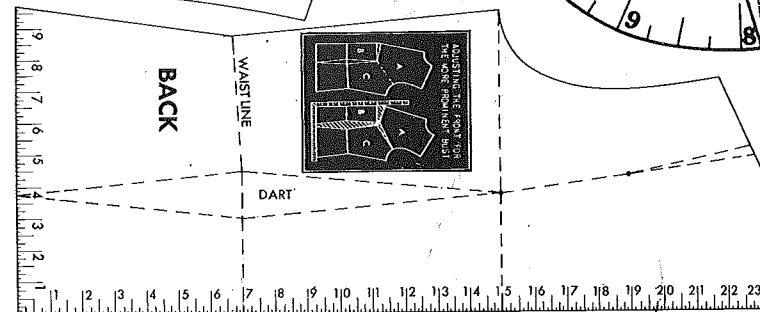
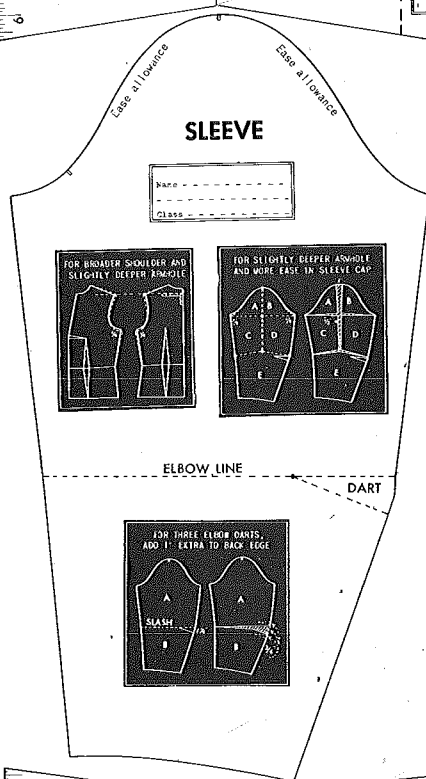
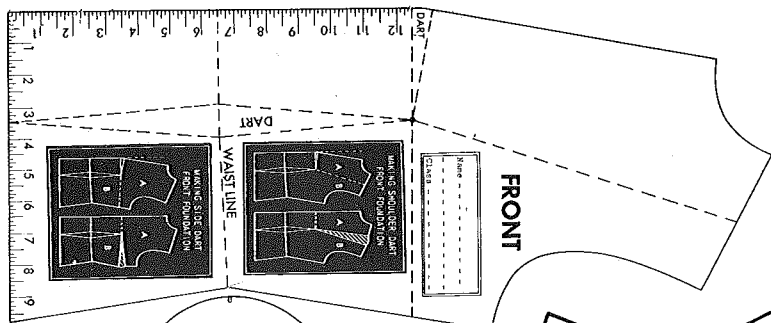


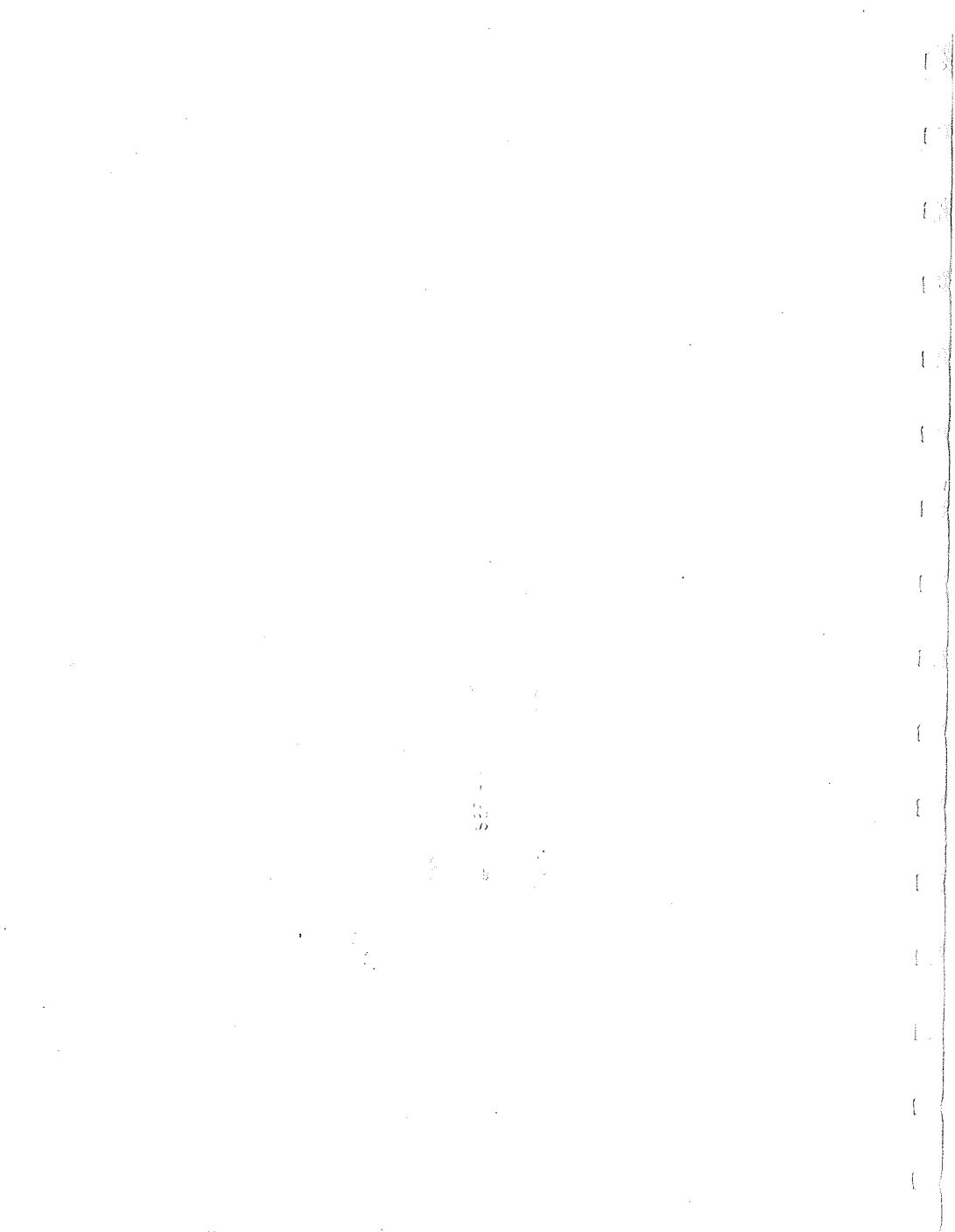
# DRESS FOUNDATION,

HIP - LENGTH  
1/4" Scale - Size 16

Made according to  
the measurements, as  
shown on white pages  
8 and 11.

NO SEAMS ALLOWED







# PATTERN DRAFTING AND GRADING

REVISED 1961 EDITION



SUPPLEMENTARY SECTION

PART 1

Pages 1 to 28

SUPPLEMENTARY SECTION

PART 2

Pages 1 to XVI

FOR OTHER BASIC PATTERN DRAFTING & GRADING PROBLEMS, SEE WHITE PAGES 1 to 100

## OTHER PUBLICATIONS

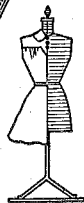
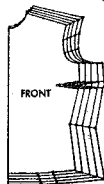
BY M. ROHR

### GRADING AND WOMEN'S AND MISSES' GARMENT DESIGN

CONTAINING  
Over 85 grading problems for misses  
sizes 12 to 20.  
They consist of grading the bodice  
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Priced at \$2.00 plus 10¢ shipping  
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### PATTERN DRAFTING CHILDREN'S GARMENT DESIGN

CONTAINING  
Over 40 drafting problems for  
girl's sizes 3 to 6, 7 to 12 and  
toddler's sizes 1 to 2.  
The drafts are for dresses, blouses,  
costs, jackets, skirts, slacks,  
overalls, playsuit, hood, shorts,  
bathrobe, pajamas, slip, panties, etc.  
Priced at \$2.00 plus 10¢ shipping  
fee.



# BODY MEASUREMENT CHART

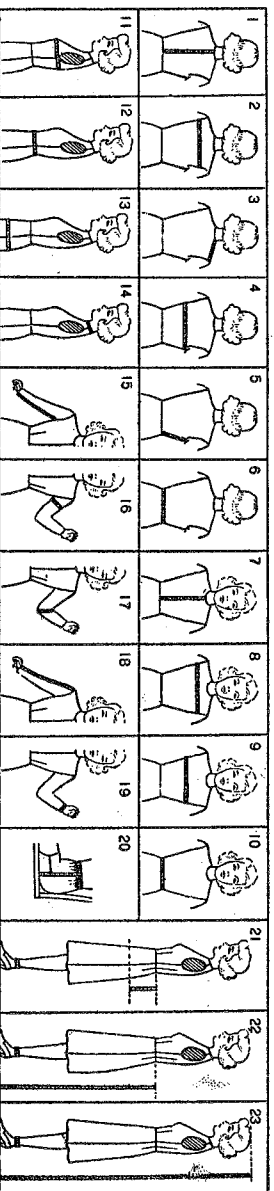
JUNIOR SIZES

MISSIS SIZES

LADIES SIZES

SIZES	11	13	15	17	12	14	16	18	20	36	38	40	42	44	
1 CENTER BACK LENGTH	15	15-3/8	15-3/4	16	15-1/2	15-3/4	16	16-1/4	16-1/2	16-1/2	16-5/8	16-7/8	17-1/8	17-1/4	from nape of neck to waistline.
2 ACROSS BACK	13-3/4	13-1/4	13-3/4	14-1/4	13-1/2	13-1/2	14	14-1/4	14-1/2	14-1/2	15	15-1/8	15-1/2	15-1/2	from armhole to armhole.
3 SHOULDER SEAM	4-1/2	4-5/8	4-3/4	4-7/8	4-1/2	4-5/8	4-3/4	4-7/8	5	4-7/8	5	5-1/8	5-1/4	5-3/8	from side of neck to armhole.
4 FULL BACK WIDTH	15-1/2	15-1/2	17-1/2	18-1/2	16	17	18	19	20	19	20	21	22	23	from side seam to side seam.
5 SLOPE SEAM LENGTH	7-3/8	7-5/8	7-7/8	8	9	9-1/8	9-1/4	9-3/8	9-1/2	9-1/2	9-1/2	9-1/2	9-1/2	9-1/2	from armhole to waistline.
6 BACK WAISTLINE	11-3/4	12-1/4	13	14	12-1/2	12-3/4	13-1/4	14-1/4	15-1/2	14-1/2	15-1/2	16-1/2	17-1/2	18-1/2	from side seam to side seam.
7 CENTER FRONT LENGTH	14	14-3/8	14-3/4	15	14-1/2	14-3/4	15	15-1/4	15-1/2	15-1/2	15-3/4	16	16-1/4	16-1/2	from base of neck to waistline.
8 ACROSS CHEST	12	12-1/2	13	13-1/2	12-1/4	12-3/4	13-1/4	13-3/4	14-1/4	13-3/4	14-1/4	15-1/4	15-3/4	16-1/4	from armhole to armhole.
9 FULL FRONT WIDTH	15-3/4	16-3/4	17-3/4	18-3/4	16-1/4	17-1/4	18-1/4	19-1/4	20-1/4	19-1/4	20-1/4	21-1/4	22-1/4	23-1/4	from side seam to side seam.
10 FRONT WAISTLINE	12-3/4	13-1/4	14	15	13	13-3/4	14-1/2	15-1/2	16-1/2	15-1/2	16-1/2	17-1/2	18-1/2	19-1/2	from side seam to side seam.
11 BUST CIRCUMFERENCE	29	31	33	35	32	32	34	36	38	36	38	40	42	44	body measurement.
12 BUST CIRCUMFERENCE	31-1/4	33-1/4	35-1/4	37-1/4	30-1/4	34-1/4	36-1/4	38-1/4	40-1/4	38-1/4	40-1/4	42-1/4	44-1/4	46-1/4	ease included for fitted bodice.
13 WAIST CIRCUMFERENCE	24-1/2	25-1/2	27	29	25	26-1/2	28	30	32	30	32	34	36	38	a fairly snug measurement.
14 HIP CIRCUMFERENCE	32	34	36	38	33	35	37	39	41	39	41	43	45	47	at fullest part of hip.
15 NECK CIRCUMFERENCE	12-1/2	13	13-1/2	14	12-3/4	13-1/4	13-3/4	14-3/8	15	14-3/8	15	15-5/8	16-1/4	16-7/8	at base of neck.
16 UNDERARM LENGTH	16-5/8	17	17-3/8	17-5/8	17-1/4	17-1/2	17-3/4	18	18-1/4	18-1/4	18-1/4	18-1/4	18-1/4	18-1/4	from armpit to wrist.
17 ARM CIRCUMFERENCE	9-3/4	10-1/4	10-3/4	11-1/4	10	10-1/2	11	11-1/2	12	12	12-1/2	13	13-1/2	14	at fullest part of muscle.
18 ELBOW LENGTH	21-5/8	22-1/8	22-5/8	23	22-1/4	22-5/8	23	23-3/8	23-3/4	23-3/4	24	24-1/8	24-1/4	24-1/2	with arm bent up.
19 WRIST CIRCUMFERENCE	6-1/8	6-1/2	6-5/8	6-7/8	6-1/4	6-1/2	6-3/4	7	7-1/4	7-1/4	7-1/4	7-1/2	7-3/4	8	from top of arm to wrist.
20 CROCH. DEPTH	12-1/4	12-1/2	12-3/4	12-7/8	12-1/2	12-3/4	13	13-1/4	13-1/2	13-1/4	13-1/2	13-3/4	14	14-1/4	1" ease included.
21 WAIST TO HIP	6-5/8	6-3/4	6-7/8	7	6-1/2	6-3/4	6-7/8	7	7	7	7	7	7	7	at center back.
22 WAIST TO FLOOR	30-1/2	40	40	40-1/2	40-1/2	41	41-1/2	41-3/4	42	42	42	42	42	42	from waist to floor.
23 STATURE (HEIGHT)	64	65	66	66-3/4	67-1/2	67-3/4	68	68-1/4	68-1/2	68-1/2	68-1/2	68-1/2	68-1/2	68-1/2	height measurement.

## HOW TO TAKE THE MEASUREMENTS



Directions for drafting the Hip-Length Dress Foundation (including the "Chest Slant", "Side Dart" or "Shoulder Dart" front), are given on white page 11.

The white section of the book, pages 1 to 100, and the Supplementary Section-Part 2, pages I to XVI, show the use of the

"Chest Slant" front as a guide, to draft the basic pattern making problems.

The same basic drafting problems may also be developed, by using the "Side Dart" or the "Shoulder Dart" front, as shown on page 25.

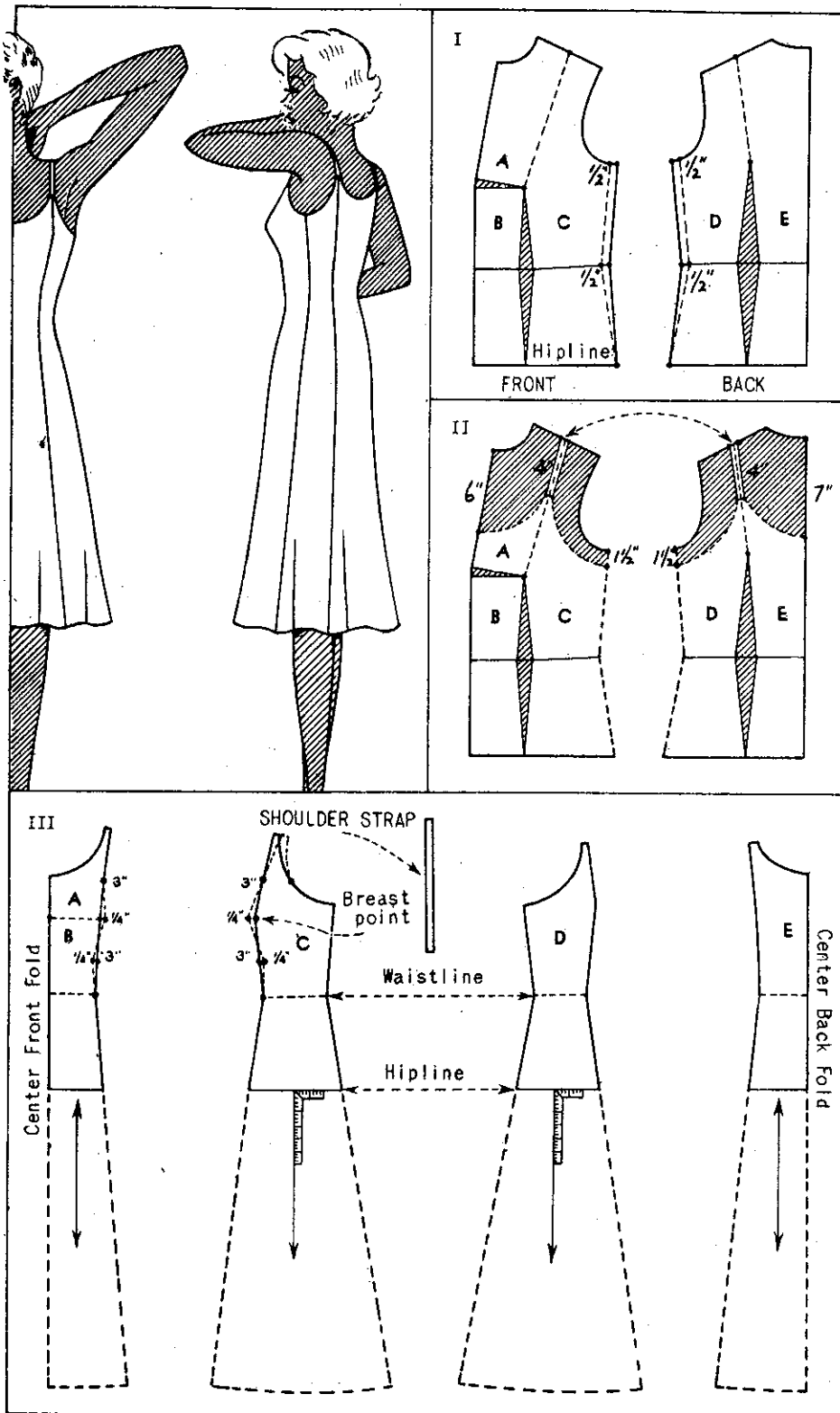


Illustration shows princess slip, with neckline about 6" lower at center front and 7" lower at center back; armhole is 1-1/2" deeper than dress armhole.

## I

Using the dress (hip length) foundation as a guide, trace front and back; then trace the darts.

Draw straight line from center of shoulder to top of dart in front and back. Mark sections A, B, C, D and E.

Reduce width of front and back 1/2" at bust and waist to nothing at hip as shown by dotted lines.

## II

Make neckline 6" lower in front and 7" lower in back. Draw armhole 1-1/2" deeper. Make shoulder strap 4" long in front and 4" long in back.

Cut out front and back sections, and separate them as shown in diagram III.

Make center front line straight by bringing sections A and B together. Combine front and back part of shoulder strap in one.

## III

Trace the 4 sections, leaving enough space for the lower part of the slip. Continue straight lines down to required length; then shape bottom, as shown by dotted lines.

Draw arrows for grain lines by squaring from hipline.

For a cup shape fitting over the bust, add 1/4" to front sections at breast point; then subtract 1/4", 3" below breast point, as shown by dotted lines.

Shape upper part of side front, about 1/2" towards armhole, as illustrated.

Complete pattern by adding seams and making corresponding notches.

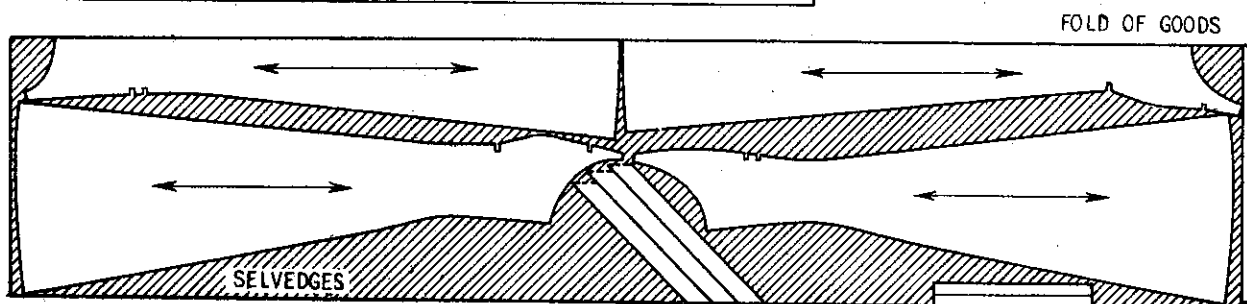
## IV

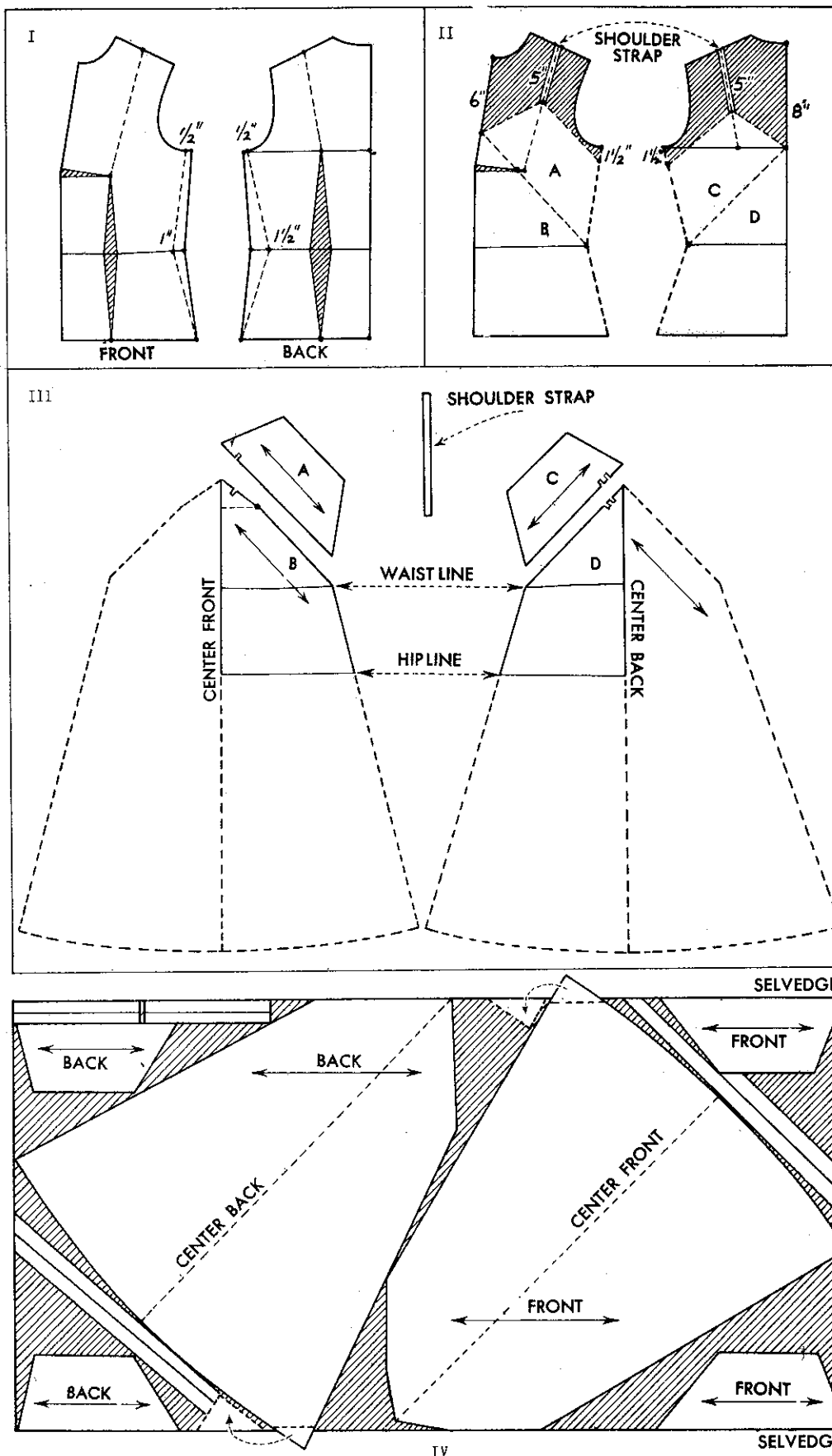
Diagram below shows how to lay pattern on the goods.

The bias strips are for underfacing neck and armhole edges.

Lower edge of slip may be finished with narrow hem.

## IV





A bias slip has several advantages, some of which are:

It does not require a placket at the left side, which eliminates a sewing operation.

It molds better to the form around bust, waist and hip, due to the material being on the bias.

I

Trace front and back dress foundation (hip length); then reduce at side and draw lines to shoulder in front and back, as illustrated.

II'

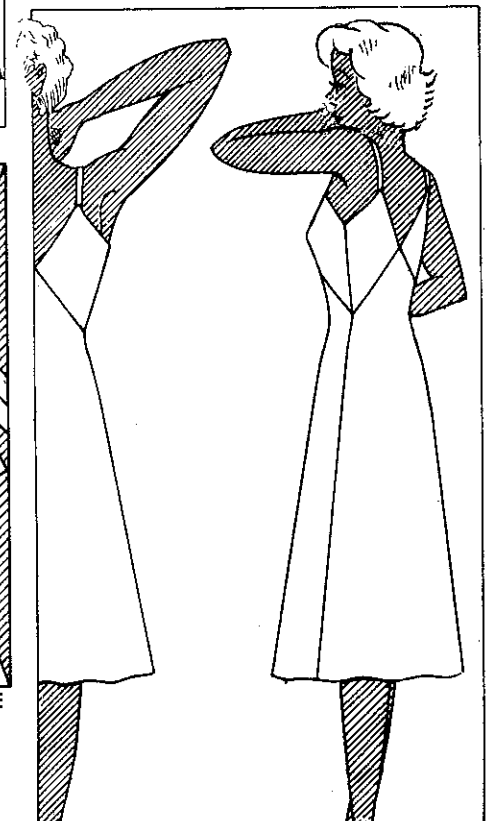
Draw lower neckline and armhole, as shown by dotted lines; then divide front and back in 4 sections and mark them A, B, C and D.

Separate each section and close up front dart as shown in diagram III. Make shoulder strap in one part.

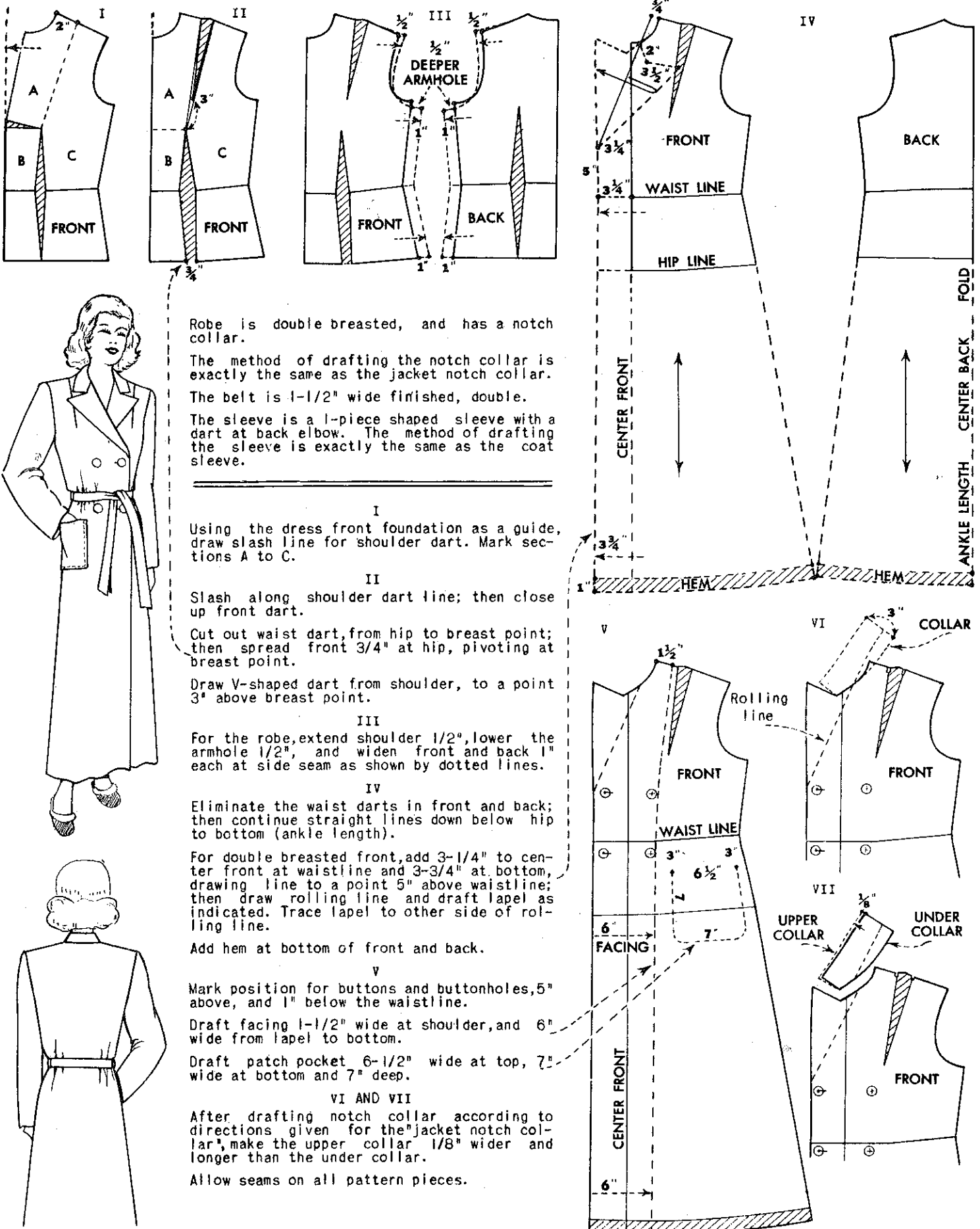
III

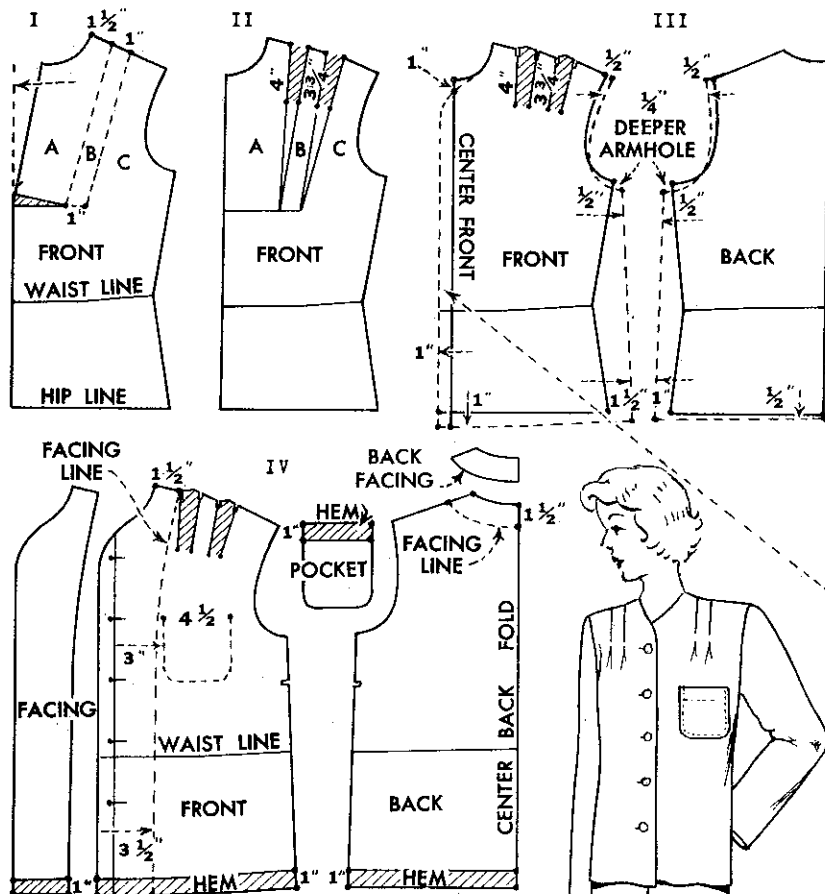
Trace the 4 sections on another sheet of paper, allowing enough room for an entire front and back, as shown by dotted lines.

Mark grain lines and make corresponding notches.



The cutting diagram above shows how to lay bias slip pattern on the goods. If piecings are required, they must be laid on the same lengthwise grain. The bias strips are for lower edge binding. The upper front and back sections may be lined.





Jacket is loose fitting, and features double shoulder tucks in front.

It may be worn tucked in, or over the trousers.

Armhole is slightly deeper, and sleeve is flat at top of cap, the same as the mannish shirt sleeve.

#### I

Using the dress foundation as a guide, draw slash lines for the tucks as indicated. Mark sections A, B and C.

#### II

Slash along tuck lines and spread by closing up front dart, and forming straight center front line. Make one tuck 4" long and the other, 3-3/4".

#### III

Make shoulder 1/2" longer, armhole 1/4" deeper, and make side wider as indicated.

Lengthen jacket 1/2" below hipline at center back and side, to 1" at center front.

For front closing overlap, add 1" to center front; then lower the neck 1" at center front, curving the outline as indicated.

#### IV

Mark positions for buttons and buttonholes, 4" apart. Draft pocket 4-1/2" X 4-1/2".

For facings in front and back, draft as shown by dotted lines.

Add seams and hems; then make corresponding notches.

### DRAFT OF SLEEVE

#### I

Trace outline of jacket front, and mark point A and B at side seam as indicated.

Locate point C on side seam line by having A to C equal 1/3 of line A - B; then locate point D at deepest part of armhole (about 2" from side seam); then connect C to D.

Trace lower part of armhole and upper part of side seam to opposite side of line C-D as shown by dotted lines; then mark point E as indicated.

#### II

Draft sleeve as follows:

F to G - Equals overarm length. Draw this line by continuing shoulder line straight to wrist.

G to H - Equals 1/2 of wrist measure plus 2-1/2".

H to E - Connect for underarm seam line.

#### III

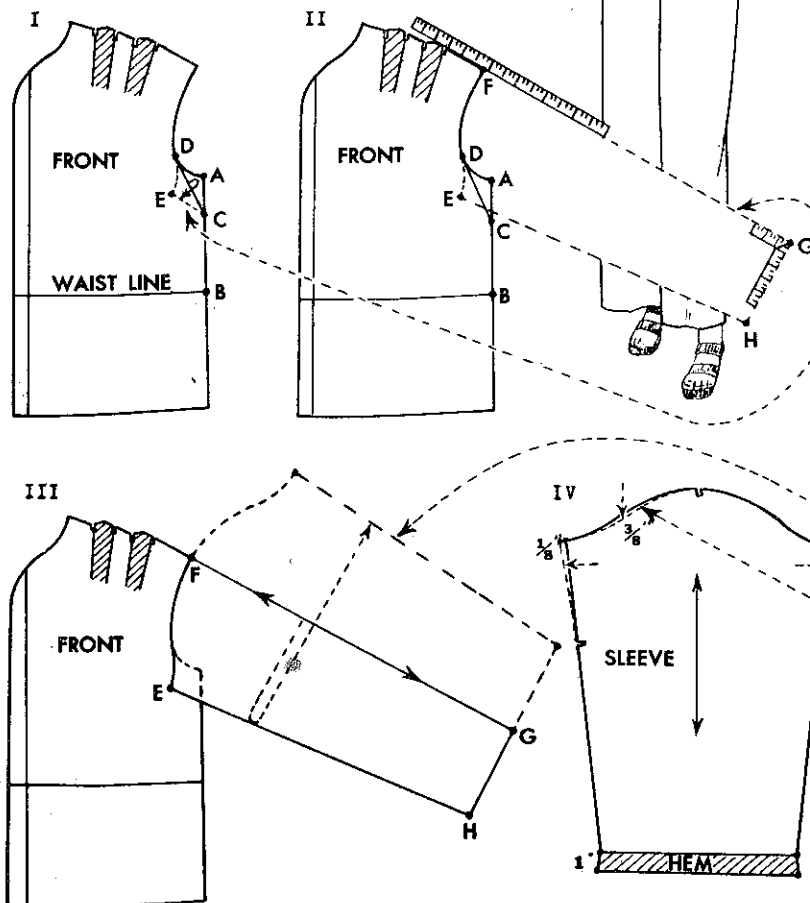
Trace other half of sleeve to opposite side of line F-G as shown by dotted lines.

#### IV

Make front part of sleeve cap 3/8" lower as indicated.

To insure a slight ease in the sleeve cap, add 1/8" at each side of sleeve as shown by dotted lines.

Add seams and hem; then make corresponding notches.



### CORRESPONDING ARM MEASUREMENTS

MISSSES SIZES	12	14	16	18	20
OVERARM LENGTH	22-1/4	22-5/8	23	23-3/8	23-3/4
WRIST MEASURE	6-1/4	6-1/2	6-3/4	7	7-1/4

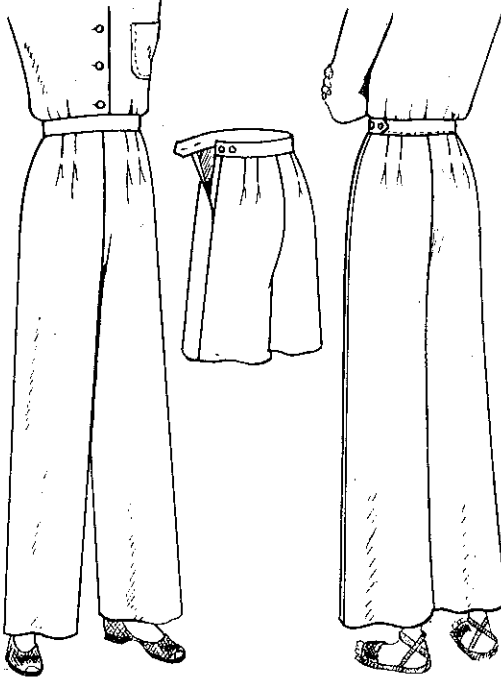
Illustrations show ankle length or short trousers, featuring tucks at waistline in front and back.

The crotch depth in pajama trousers, is usually 1" deeper than in slacks or sports wear shorts, therefore the distance from A to C in diagram I, equals crotch depth measurement, plus 2" for ease.

I  
Using the hip part of the dress foundation, trace front and back sections, having the hipline, straight across as illustrated.

For ankle length trousers, draft according to the juniors', misses' and ladies' sizes as follows:

SIZE	11	13	15	17	12	14	16	18	20	40	42	44	
A to B	38	38-1/2	39	39-1/2	39	39-1/2	40	40-1/4	40-1/2	40-1/2	40-1/2	40-1/2	Equals ankle length.
A to C	13-1/4	13-1/2	13-3/4	14	13-1/2	13-3/4	14	14-1/4	14-1/2	14-3/4	15	15-1/4	Equals crotch depth (2" ease included).



- D to E - Equals hipline on dress foundation.  
 E to F - Equals 1/2 of C to E.  
 D to G - Equals 1/2 of E to F.  
 E to H - Equals 1/2 of E to F.  
 H to K - Equals D to J, plus 2". Draw this line from H to K, touching center back waistline of dress foundation.  
 K to A - Draw slightly curved line from K to side seam.

## II

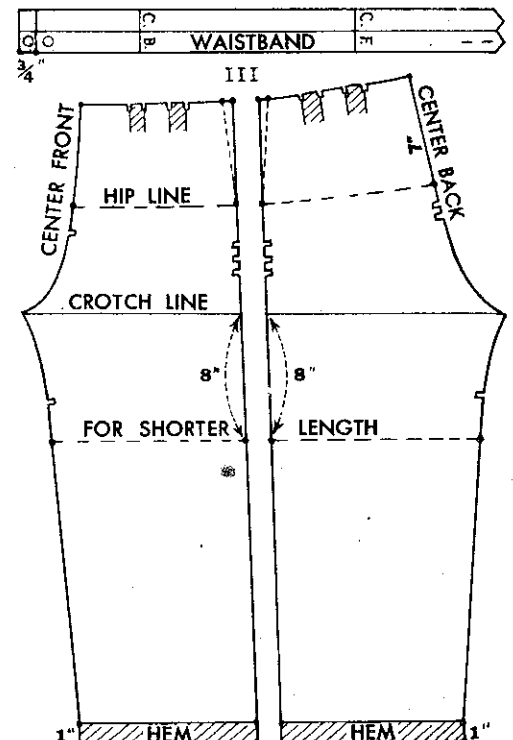
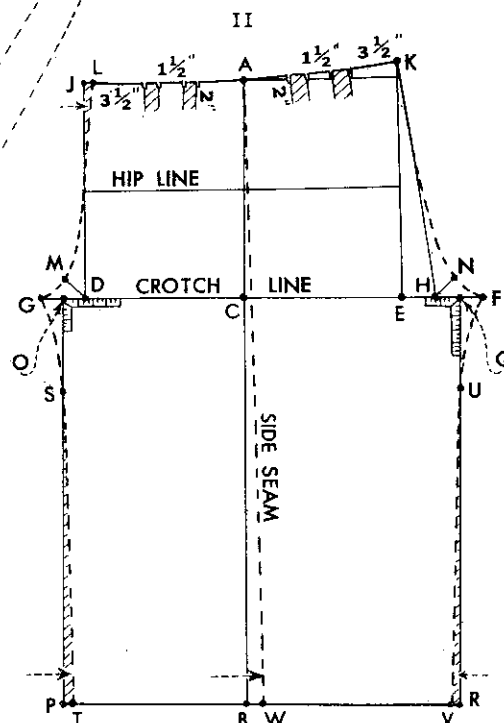
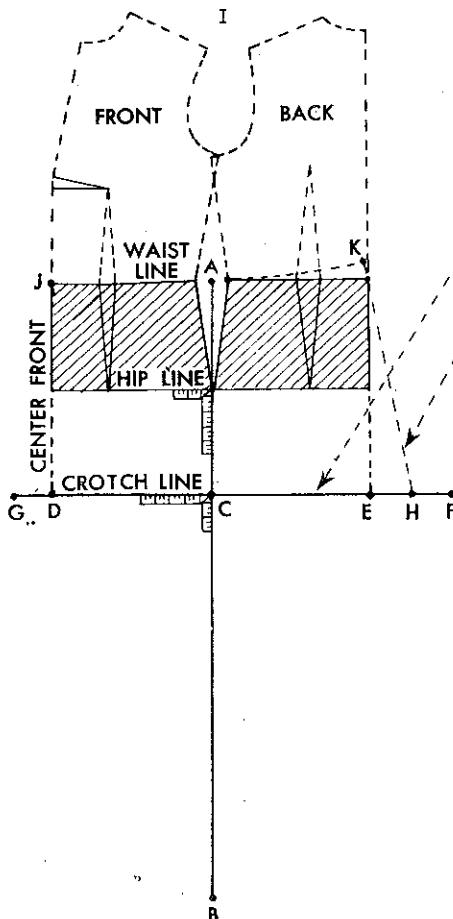
- J to L - 1/2" at waistline.  
 D to M - 1-1/2". Draw diagonal line.  
 L to G - Draw center front line from L to G through M, curving the line below hip.  
 H to N - 1-1/2". Draw diagonal line.  
 K to F - Draw center back line through N.  
 G to O - Equals 1/2 of G to D.  
 O to P - Equals length from C to B.  
 F to Q - Equals 1/2 of F to H.  
 Q to R - Equals length of C to B.  
 P to R - Connect.  
 O to S - 6".  
 P to T - 1/2".  
 G to T - Draw leg seam line from G to T through S, curving line slightly above S.  
 Q to U - 6".  
 R to V - 1/2".  
 F to V - Draw leg seam line through U.  
 B to W - 1".  
 A to W - Connect for side seam line.

For close fitting waistline, make double tucks in front and back as indicated, making each tuck in front 1" wide, and each tuck in back 1-1/2" wide. If necessary make further reduction a side seam as shown in diagram III.

## III

Make hem at bottom of trousers pattern; then add seams and make corresponding notches.

For waistband, make a double band 1-1/4" wide finished, and the length of waist measure, plus 3/4" extension in back for left side opening, and extra allowance at front end for double buttonholes.



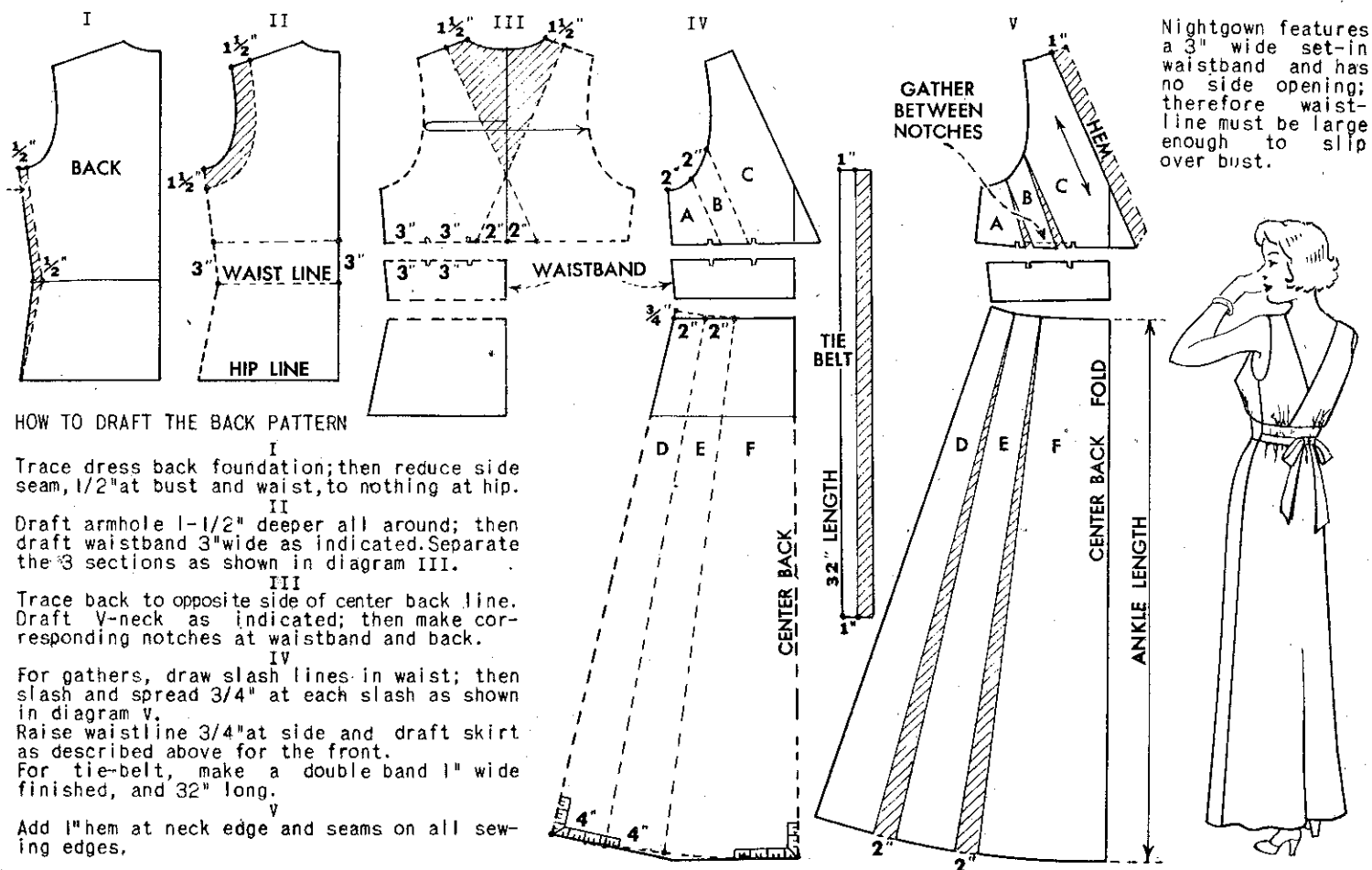


Using the dress foundation as a guide, reduce side seam 1/2" at bust and waist, to nothing at hip. For gathers at shoulder, slash as indicated; then close up front dart as shown in diagram II.

Draft 3" wide waistband; then separate the 3 sections as shown in diagram III.  
Draft armhole 1-1/2" deeper all around.

Trace front to opposite side of center front.  
Draft V-neck; then make corresponding notches at waistband and front.

IV and V  
For gathers in waist, draw slash lines from armhole to lower edge between notches; then slash and spread  $\frac{3}{4}$ " at each slash as shown in diagram v.  
For skirt, extend lines down to ankle length and curve bottom line as shown by dotted lines, raising waistline,  $\frac{3}{4}$ " at side.  
For additional flare, draw slash lines as indicated; then slash and spread as shown in diagram v.  
Add 1" hem at neck edge; then add seams.



Nightgown features a 3" wide set-in waistband and has no side opening; therefore waistline must be large enough to slip over bust.

## HOW TO DRAFT THE BACK PATTERN

Trace dress back foundation; then reduce side seam, 1/2" at bust and waist, to nothing at hip.

II  
Draft armhole 1-1/2" deeper all around; then  
draft waistband 3" wide as indicated. Separate  
the 3 sections as shown in diagram III.

Trace back to opposite side of center back line. Draft V-neck as indicated; then make corresponding notches at waistband and back.

For gathers, draw slash lines in waist; then slash and spread  $\frac{3}{4}$ " at each slash as shown in diagram v.  
Raise waistline  $\frac{3}{4}$ " at side and draft skirt as described above for the front.  
For tie-belt, make a double band 1" wide finished, and 32" long.

Add 1" hem at neck edge and seams on all sewing edges.



**DRESS FOUNDATION,  
HIP - LENGTH**  
1/4" Scale - Size 16

Made according to  
the measurements, as  
shown on white pages  
8 and 11.

NO SEAMS ALLOWED

